# Directory of Funded Research Activities

office of research services

1987 - 1988

1987 - 1988

1987 - 1988

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1987 - 1988

Concordia UNIVERSITY

## CONCORDIA UNIVERSITY TODAY

Concordia University was established in 1974 by the merger of Sir George Williams University and Loyola College. With approximately 26,000 students, almost 3,000 faculty and staff, two campuses, and more than 48,000 alumni worldwide, Concordia University is one of Canada's largest and most dynamic academic institutions.

Its colleges, departments and research centres are grouped into four faculties: Arts and Science, Commerce and Administration, Engineering and Computer Science, and Fine Arts. Together they offer more than 160 graduate and undergraduate programmes. Some are traditional; many reflect Concordia's philosophy of providing innovative responses to the community's changing needs.

This sense of community involvement is Concordia's hallmark. Many of the university's library services, for example, are open to the public; its faculty and students provide research and consulting services — to corporations, individuals and small businesses; attendance at Concordia film screenings, drama productions, lectures, music concerts and art exhibitions numbers in the hundreds of thousands annually; the University's downtown and west-end campuses are available as conference sites for non-profit organizations and, whenever possible, athletic facilities are made available to organized groups and members of the public.

More importantly, Concordia offers a flexible, modern approach to education. Although the majority of its students are recent college graduates, Concordia has a proud tradition of offering the opportunity of a higher education to men and women of all ages and backgrounds. It has one of the most welcoming open-door policies in Canada in recruiting senior students (those aged 55 and over). In addition, part-time studies and flexible class schedules allow students of all ages to pursue their education without abandoning their jobs. This intelligent approach to education and career goals, carried out with vigour and creativity, reflects Concordia's awareness of society's changing needs and its commitment to a lifetime of learning, the pursuit of excellence and the development of human potential.

CONCORDIA UNIVERSITY

# DIRECTORY OF FUNDED RESEARCH ACTIVITIES

## 1987 – 1988

COMPILED BY

NANNETTE PLANT

AND

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## INTRODUCTION

*The Concordia University Directory of Funded Research Activities* provides a summary of the research grants and contracts obtained by full-time faculty members for the period June 1, 1987 to May 31, 1988. Travel and conference grants are reflected in the dollar totals.

The University received $ 11,144,413.00 in overall funding, which is a 13% increase over the previous year. The Faculty of Engineering and Computer Science received 54.8% of all funding; the Faculty of Arts and Science 37.8%; and the Faculties of Commerce and Administration and Fine Arts the remaining 7.4%.

It is worthwhile noting that research contracts increased by 27.4%, and funding from the private sector by 18%. The latter increase is particularly significant in light of government initiatives to encourage universities to (i) obtain alternate sources of research funding and (ii) help develop the economy by assisting in technology transfer to industry.

In working towards these goals the Concordia Office of Research Services — along with the "Bureau de Liaison pour la Recherche et le développement" at l'Université du Québec à Montréal (UQAM) — opened UQAM-R&D-CONCORDIA, a joint Technology Transfer Office in April 1988. Funding for the office is being provided by the National Research Council of Canada.

*The Concordia University Directory of Funded Research Activities* is one of the many services offered by the Office of Research Services, and is an attempt to make other institutions and the community at large more aware of Concordia's research activities. Although funded projects are the only ones listed, there are many other types of research interests and creative activities at Concordia (i.e., publications, conferences, concerts, and exhibits, etc...). For more information regarding expertise in a specific field, please consult our office and we shall be pleased to place you in contact with the appropriate researcher.

**Audrey J. Williams**
**Director of Research Services**

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- Communication Studies
- Economics
- Education
- English
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- Exercise Science
- Geography
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- History
- Institute for Cooperative Education
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- Mathematics
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- Physics
- Political Science
- Psychology
- Religion
- Simone de Beauvoir Institute
- Sociology and Anthropology
- Teaching of English as a Second Language (TESL)

## FACULTY OF COMMERCE AND ADMINISTRATION

Dean of Commerce

Accountancy

Dsmis

Finance

Management

Marketing

## FACULTY OF ENGINEERING AND COMPUTER SCIENCE

Centre for Building Studies (C.B.S.)

Civil Engineering

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Electrical and Computer Engineering

Mechanical Engineering

## FACULTY OF FINE ARTS

Dean of Fine Arts

Art Education and Art Therapy

Art Gallery

Art History

Cinema

Contemporary Dance

Music

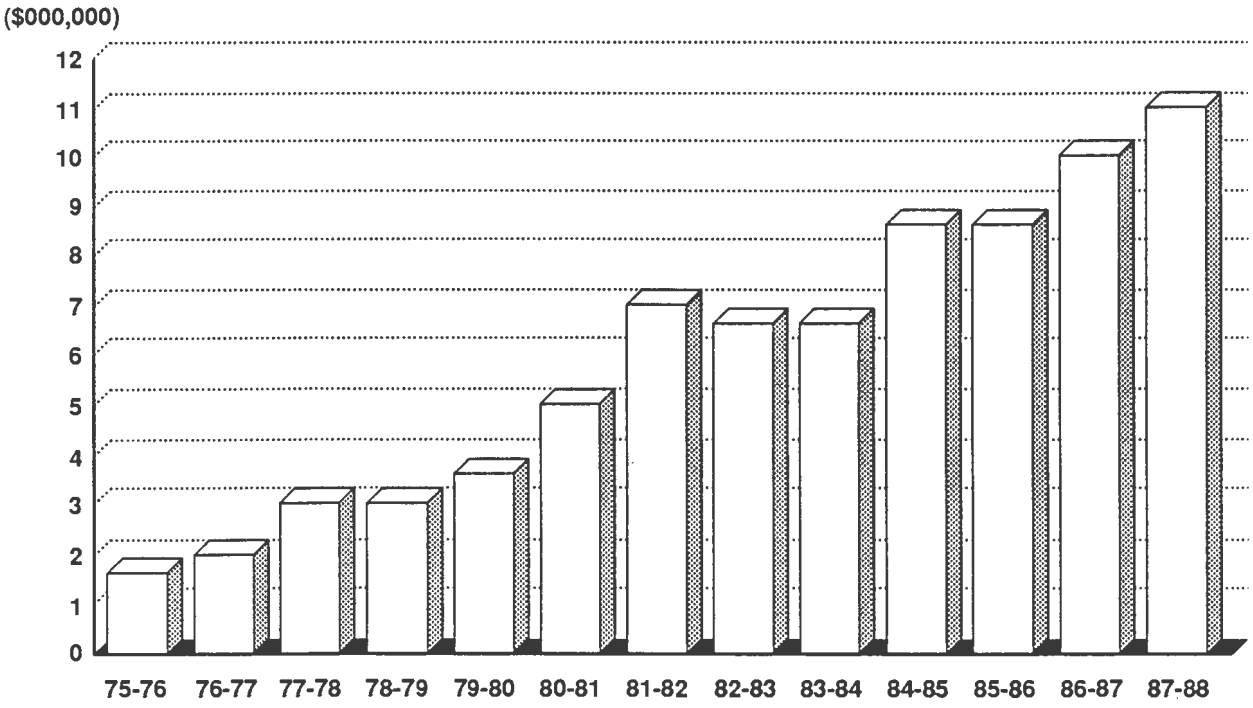
Painting and Drawing

Printmaking and Photography

Sculpture, Ceramics and Fibres

Theatre

## Research Funding Growth
## (1975 – 1988)



## FUNDING OF RESEARCH GRANTS AND CONTRACTS 1984 – 1988

| Source of Funding | 1984–85 | 1985–86 | 1986–87 | 1987–88 |
|---|---|---|---|---|
| Canadian Companies and Corporations | 379,824 | 378,037 | 978,853 | 1,156,509 |
| Canadian Associations, Foundations, and Societies | 241,076 | 327,830 | 253,391 | 490,086 |
| NSERC | 3,923,886 | 3,877,008 | 4,278,813 | 4,658,637 |
| SSHRC | 537,545 | 533,602 | 498,716 | 814,464 |
| Other Federal Government Departments | 1,441,233 | 924,516 | 1,069,724 | 763,331 |
| Quebec Government | 1,610,164 | 2,653,259 | 2,431,681 | 2,896,760 |
| Non-Canadian Organizations | 0 | 13,460 | 37,854 | 39,095 |
| United States Government | 159,839 | 67,718 | 212,420 | 197,487 |
| Other Sources | 44,060 | 54,810 | 84,242 | 128,044 |
| **Total Grants and Contracts** | **$ 8,337,627** | **$ 8,830,240** | **$ 9,845,694** | **$11,144,413** |

| | | | | |
|---|---|---|---|---|
| Annual % Increase | | 5.9% | 11.5% | 13.2% |
| Grants | $ 7,574,075 | $ 8,096,256 | $ 8,554,816 | $ 9,499,950 |
| Contracts | $ 763,552 | $ 733,984 | $ 1,290,878 | $ 1,644,463 |

## DEPARTMENTAL RESEARCH FUNDING

| Administration * | Amount |
|---|---|
| Library and Archives | $ 36,796 |
| Research Administration | 127,527 |
| **Total for Administration** | **$ 164,323** |

* Administration includes research activities in Library and Archives, support for translation services for research projects, and CRIM contributions.

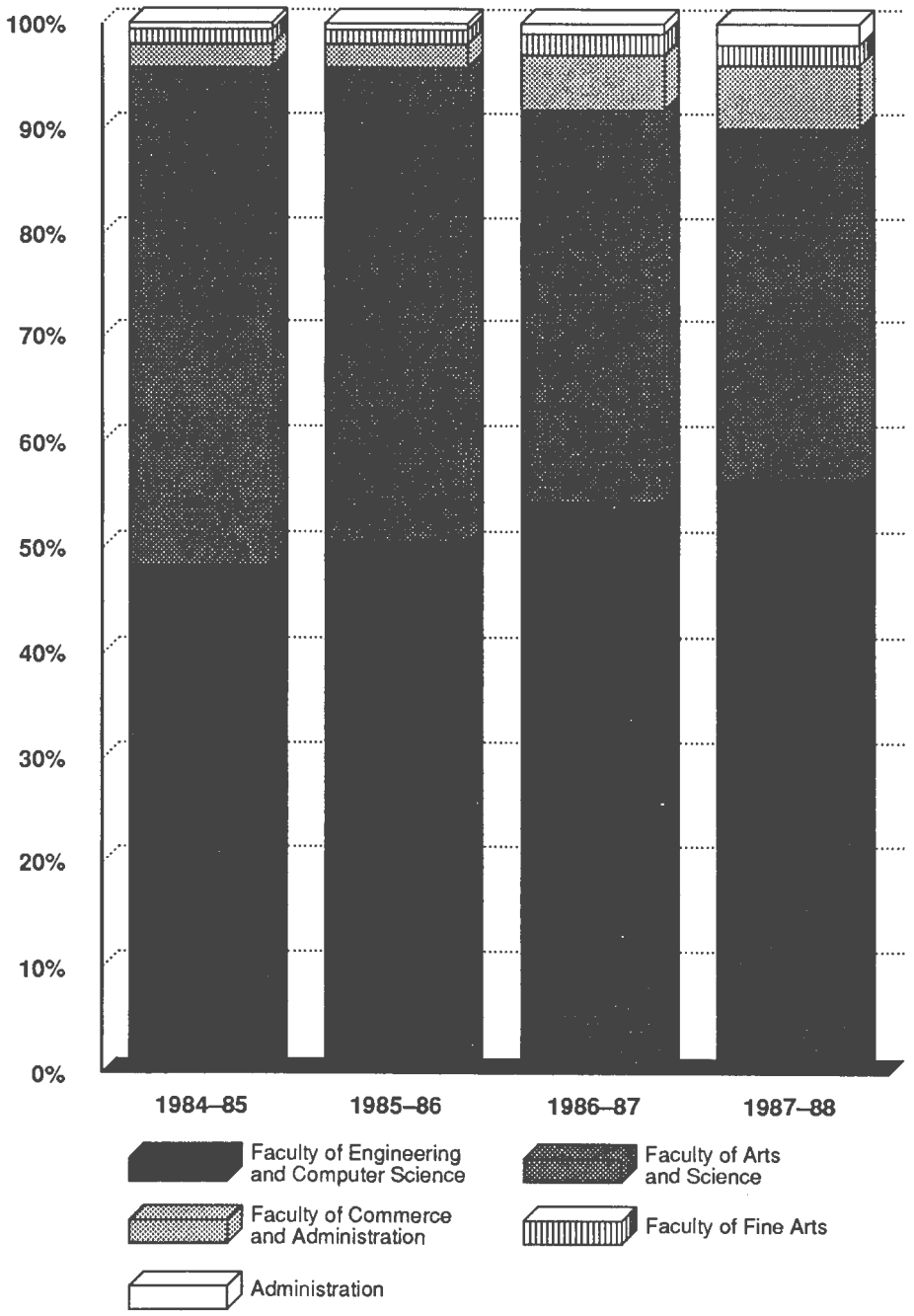
| Faculty of Arts and Science | Amount |
|---|---|
| Dean of Arts and Science | 27,799 |
| Applied Social Science | 2,101 |
| Biology | 547,366 |
| Chemistry | 866,811 |
| Communication Studies | 12,950 |
| Economics | 75,350 |
| Education | 138,290 |
| English | 131,877 |
| Études françaises | 3,672 |
| Exercise Science | 8,200 |
| Geography | 10,770 |
| Geology | 14,080 |
| History | 91,907 |
| Institute for Cooperative Education | 9,134 |
| Interdisciplinary Studies | 500 |
| Library Studies | 2,564 |
| Mathematics | 206,272 |
| Philosophy | 10,457 |
| Physics | 92,575 |
| Political Science | 76,742 |
| Psychology | 1,608,600 |
| Religion | 50,174 |
| School of Community and Public Affairs | 85 |
| Simone de Beauvoir Institute | 56,627 |
| Sociology and Anthropology | 102,733 |
| TESL | 69,798 |
| **Total for the Faculty of Arts and Science** | **$ 4,217,434** |

| Faculty of Commerce and Administration | | Amount |
|---|---|---|
| Dean of Commerce | $ | 38,400 |
| Accountancy | | 5,450 |
| DSMIS | | 201,152 |
| Finance | | 66,504 |
| Management | | 76,653 |
| Marketing | | 157,091 |
| **Total for the Faculty of Commerce and Administration** | **$** | **545,250** |

| Faculty of Engineering and Computer Science | | Amount |
|---|---|---|
| Dean of Engineering | $ | 2,430 |
| Centre for Building Studies (C.B.S) | | 896,334 |
| Civil Engineering | | 403,492 |
| Computer Science | | 733,632 |
| Electrical and Computer Engineering | | 1,374,336 |
| Mechanical Engineering | | 2,696,073 |
| **Total for the Faculty of Engineering and Computer Science** | **$** | **6,106,297** |

| Faculty of Fine Arts | | Amount |
|---|---|---|
| Dean of Fine Arts | $ | 11,570 |
| Art Education and Art Therapy | | 3,519 |
| Art Gallery | | 10,575 |
| Art History | | 39,716 |
| Cinema | | 28,160 |
| Contemporary Dance | | 983 |
| Design | | 315 |
| Music | | 4,108 |
| Painting and Drawing | | 350 |
| Printmaking and Photography | | 3,500 |
| Sculpture, Ceramics and Fibres | | 2,700 |
| Theatre | | 5,613 |
| **Total for the Faculty of Fine Arts** | **$** | **111,109** |

## Percentage of Total Funded Research by Faculty
(1984 – 1988)



## Glossary Codes

| | |
|---|---|
| ( ) | Frequency of the Grant/Contract |
| 01 | Contract |
| 02 | Operating Grants |
| 03 | Equipment Grants |
| 20 | Miscellaneous Awards (including General Research Grants) |
| EXT | External |
| INT | Internal |

| | |
|---|---|
| ANOCC | ANONYMOUS COMPANIES, CORPORATIONS CANADIAN |
| ANOFC | ANONYMOUS FOUNDATIONS, ASSOCIATIONS, SOCIETIES CANADIAN |
| ANONC | ANONYMOUS, NON-CANADIAN |
| ANOPC | ANONYMOUS PARTICULAR, CANADIAN |
| ASTRA | ASTRA PHARMACEUTICALS CANADA LTD. |
| BENDA | BENDIX AVELEX INC. |
| BICOM | BINARY COMMUNICATIONS INC. |
| BNR | BELL NORTHERN RESEARCH LTD. |
| BOMC | BOMBARDIER COMPANY |
| CAE | CAE ELECTRONICS LTD. |
| CARIN | CARISTRAP INTERNATIONAL INC. |
| CASA | CONCORDIA UNIVERSITY (CASA) |
| CC | CANADA COUNCIL |
| CCIW | CANADA CENTRE FOR INLAND WATERS |
| CDHW | CANADA DEPARTMENT OF HEALTH & WELFARE |
| CDND | CANADA DEPARTMENT OF NATIONAL DEFENCE |
| CDOC | CANADA DEPARTMENT OF COMMUNICATIONS |

## Glossary Codes

| | |
|---|---|
| CDSS | CANADA DEPARTMENT OF THE SECRETARY OF STATE |
| CEMR | CANADA DEPARTMENT OF ENERGY, MINES & RESOURCES |
| CMHC | CANADA MORTGAGE & HOUSING CORPORATION |
| CNCPT | CNCP TELECOMMUNICATIONS |
| CNR | CANADIAN NATIONAL RAILWAYS |
| COL | COMMISSIONER OF OFFICIAL LANGUAGES |
| CQRS | CONSEIL QUÉBÉCOIS DE LA RECHERCHE SOCIALE |
| CSVDO | COMMISSION SCOLAIRE VAL D'OR |
| CWARC | CANADIAN WORKPLACE AUTOMATION RESEARCH CENTRE |
| FCAR | FONDS POUR LA FORMATION DE CHERCHEURS ET L'AIDE À LA RECHERCHE |
| FESTO | FESTO INC. |
| FRSQ | FONDS DE LA RECHERCHE EN SANTÉ DU QUÉBEC |
| GAZM | GAZ MÉTROPOLITAIN, INC. |
| IDLA | INSTITUT DE L'AMIANTE |
| IOC | IMPERIAL OIL COMPANY |
| IRSST | INSTITUT DE RECHERCHE EN SANTÉ ET EN SÉCURITÉ DE TRAVAIL DU QUÉBEC |
| MEMOT | MEMOTEC DATA |
| MERFR | MERCK FROSST CANADA INC. |
| MESS | QUÉBEC MINISTÈRE DE L'ENSEIGNEMENT SUPÉRIEUR ET DE LA SCIENCE |
| MGU | MCGILL UNIVERSITY |
| MRC | MEDICAL RESEARCH COUNCIL |
| NBMED | NEW BRUNSWICK MINISTRY OF EDUCATION |
| NORTEL | NORTHERN TELECOM |
| NRC | NATIONAL RESEARCH COUNCIL |
| NSERC | NATURAL SCIENCES & ENGINEERING RESEARCH COUNCIL |

## Glossary Codes

| | |
|---|---|
| PCUQA | QUÉBEC PROGRAMME DE COOPÉRATION ENTRE QUÉBEC ET AUTRES PROVINCES CANADIENNES |
| PELD | PEL DEN INFORMATIQUE INC. |
| PFIZ | PFIZER CIE |
| PRATT | PRATT & WHITNEY CANADA INC. |
| QMAC | QUÉBEC MINISTÈRE DES AFFAIRES CULTURELLES |
| QMAI | QUÉBEC MINISTÈRE DES AFFAIRES INTERGOUVERNEMENTALES |
| RITE | RITEPRO INC. |
| RPPI | RHONE-POULENC PHARMA INC. |
| SCHEC | SCHERING CANADA INC. |
| SRCFC | SCOTTISH RITE CHARITABLE FOUNDATION OF CANADA |
| SRTEL | SR TELECOM |
| SSHRC | SOCIAL SCIENCES & HUMANITIES RESEARCH COUNCIL |
| TPROV | TRANSPORTS PROVOST INC. (LES) |
| UNIS | UNISYS CORPORATION U.S.A. |
| UPJCO | UPJOHN COMPANY OF CANADA |
| USHEW | U.S. DEPT. OF HEALTH & HUMAN SERVICES |
| VIA | VIA RAIL CANADA INC. |

## PREFACE

This report describes research activities funded at Concordia University by external sponsors. The data is by no means complete, however, because sponsors in Canada do not pay university infrastructure costs (salaries and facilities, etc..). When these supplementary expenditures are added to the value of grants from external sponsors, the true cost of Concordia's annual research effort rises to approximately $25 million — making this University a major force on the Québec research scene.

**Cooper H. Langford**
**Associate Vice-Rector, Academic (Research)**

March, 1989

## ADMINISTRATION

| | Project Title | Agency | Type |
|---|---|---|---|
| **LIBRARY** | | | |
| BELANGER, A.M. | USE OF ERIC CD-ROM BY THE EDUCATION STUDENTS OF CONCORDIA UNIVERSITY (Co-investigator: Hoffman, S.) | SSHRC | (INT) 20 |
| BENNETT, J. | A DESCRIPTIVE CATALOGUE OF THE CORRESPONDENCE, AUDIO AND VIDEO TAPES AND PHOTOGRAPHS IN THE LAYTON COLLECTION (STRATEGIC) | SSHRC | (EXT) 02 |
| BENNETT, J. | BIBLIOGRAPHY ON SIMONE DE BEAUVOIR | SSHRC | (INT) 20 |
| SINGER, L. | ART AND ARCHITECTURE IN CANADA | SSHRC | (INT) 20 |

## FACULTY OF ARTS AND SCIENCE

| | Project Title | Agency | Type |
|---|---|---|---|
| **APPLIED SOCIAL SCIENCE** | | | |
| CAWLEY, R. | PATTERNS OF COMMUNITY DEVELOPMENT | CASA | (INT) 20 |
| GAVIN, J. | PSYCHOLOGICALLY-ANCHORED EXERCISE COUNSELLING: RATIONALE, RELEVANCE AND MODEL DEVELOPMENT | SSHRC | (INT) 20 |
| TAYLOR, M. | REAPPRAISAL OF ILLNESS: TOWARDS A PROCESS MODEL | FCAR | (INT) 20 |
| **BIOLOGY** | | | |
| ALBERT, P. | HOST-PLANT SELECTION BY INSECTS | NSERC | (EXT) 02 |
| ANDERSON, P. | MODELES ECOTOXICOLOGIQUES DE POLLUANTS CHIMIQUES DANS L'ENVIRONNEMENT AQUATIQUE (Co-investigators: Langford, C., Leduc, G., Maly, E. and Ruby, S.) | FCAR | (EXT) 02 |
| ENESCO, H. | LIFESPAN: INFLUENCE OF PHYSIOLOGICAL AND CELLULAR FACTORS | NSERC | (EXT) 02 |
| ENESCO, H. | RESEARCH ON CELL PROLIFERATION (2) | ANOPC | (EXT) 02 |
| ENESCO, H. | IMMUNOCYTOCHEMISTRY: DEVELOPMENT OF TECHNIQUES FOR THE STUDY OF CELLULAR AGING | CASA | (INT) 20 |
| FAIRBAIRN, D. | ALARY POLYMORPHISMS IN THE GERRIDAE: CORRELATED TRAITS AND ADAPTIVE SIGNIFICANCE | NSERC | (EXT) 02 |
| FAIRBAIRN, D. | ELECTROPHORETIC CHARACTERIZATION OF POPULATION STRUCTURE IN THE WATERSTRIDER, GERRIS REMIGIS, AND STUDIES OF INTROGRESSION AND HYBRIDIZATION AMONG THREE POND-DWELLING GERRIS SPECIES | CASA | (INT) 20 |
| GIRALDEAU, L. | THE EXISTENCE AND DEVELOPMENT OF SKILL POOLS: FIELD AND LABORATORY INVESTIGATIONS | NSERC | (EXT) 02 |
| GIRALDEAU, L. | AN INVESTIGATION OF THE FACTORS GOVERNING INTRA-SPECIFIC FOOD PARASITISM IN FLOCKS OF SPICE FINCHES (LONCHURA PUNCTULATA). THE IMPORTANCE OF COSTS AND BENEFITS OF FOOD FINDING | CASA | (INT) 20 |
| HERRINGTON, M. | TEAM PROJECTS IN MOLECULAR BIOLOGY (Co-investigators: Storms, R. and Newman, E.) | FCAR | (INT) 20 |
| HERRINGTON, M. | SUPPRESSION BY THYA MUTANTS OF ESCHERICHIA COLI | NSERC | (EXT) 02 |
| IBRAHIM, R. | ENZYMOLOGY AND COMPARTMENTATION OF THE ENZYMES INVOLVED IN FLAVONOID SYNTHESIS | NSERC | (INT) 20 |

| | Project Title | Agency | Type |
|---|---|---|---|
| IBRAHIM, R. | LOCALIZATION OF VINDOLINE IN CATHARANTHUS ROSEUS PLANTS USING IMMUNOLOGICAL AND IMMUNOCYTLOGICAL TECHNIQUES | ANOPC | (EXT) 02 |
| IBRAHIM, R. | ENZYMOLOGY AND COMPARTMENTATION OF PLANT SECONDARY METABOLITES | NSERC | (EXT) 02 |
| IBRAHIM, R. | ENZYMOLOGY AND COMPARTMENTATION OF SECONDARY PLANT METABOLITES (Co-Investigators: Colebrook, L., Charest, P. - Laval, Jay, M. - Lyon-1, Macheix, J.J. - Languedoc-Montpellier) | FCAR | (EXT) 02 |
| KAPOOR, N. | ULTRA-STRUCTURAL STUDIES OF SENSILLA OF STONEFLY NYMPTHS | CASA | (INT) 20 |
| KORNBLATT, J. | CYTOCHROME C OXIDASE: ITS CONFORMATIONS AND ITS INTERACTIONS WITH OTHER MACROMOLECULES | NSERC | (EXT) 02 |
| LEDUC, G. | ARCHEOLOGICAL INVESTIGATION OF TWO STONE STRUCTURES IN MANSONVILLE, QUEBEC | CASA | (INT) 20 |
| LEDUC, G. | ARCHEOLOGICAL STRUCTURES OF UNKNOWN ORIGIN IN QUEBEC: AN ENIGMA TO RESOLVE (3) | ANOPC | (EXT) 02 |
| MALY, E. | INCIDENCE AND CO-OCCURRENCE PATTERNS OF CALANOID COPEPODS: FACTORS AFFECTING COLONIZATION ABILITY | NSERC | (EXT) 02 |
| MCLAUGHLIN, J. | INTER-ACTIONS OF SPHAERIDIOTREMA AND CYATHOCOTYLE IN RECURRENT DUCK MORTALITY | NSERC | (INT) 20 |
| NEWMAN, E. | DEGRADATION OF PROTEINS AS A REGULATORY MECHANISM IN YEAST AND E. COLI (Co-Investigator: Storms, R.) | FCAR | (EXT) 02 |
| NEWMAN, E. | HIGH PERFORMANCE LIQUID CHROMATOGRAPHY SYSTEM | NSERC | (EXT) 03 |
| NEWMAN, E. | MOLECULAR ASPECTS OF L-SERINE DEAMINASE AND ITS CODING AND REGULATORY GENES | NSERC | (EXT) 02 |
| ROY, R. | EFFECT OF TPA ON SURVIVAL OF V79 CELLS (3) | ANOPC | (EXT) 02 |
| ROY, R. | EFFECT OF TOCOPHEROL ON RADIATION RESPONSES OF CULTURED MAMMALIAN CELLS | NSERC | (INT) 20 |
| ROY, R. | EFFECTIVENESS OF RADIOPROTECTION BY DEXTRAN, SULPHATE, TOCOPHEROL, GLUCAN, LITHIUM AND INTERFERON | CDND | (EXT) 01 |
| ROY, R. | PRELIMINARY ASSESSMENT OF SELECTED DTBPs AS RADIATION RESPONSE MODIFIERS | ANONC | (EXT) 01 |

| | Project Title | Agency | Type |
|---|---|---|---|
| RUBY, S. | MECHANISM OF ACTION OF SUBLETHAL CYANIDE IN RAINBOW TROUT VITELLOGENIN | NSERC | (INT) 20 |
| STORMS, R. | ISOLATION OF CELL DIVISION-CYCLE MUTANTS | NSERC | (INT) 20 |
| STORMS, R. | THE ISOLATION OF PROTEOLYSIS DEFICIENT YEAST STRAINS | NRC | (EXT) 01 |
| STORMS, R. | GENE EXPRESSION IN S. CEREVISIAE | NSERC | (EXT) 02 |
| WIDDEN, P. | EFFECTS OF COLLEMBOLAN GRAZING ON MICROFUNGAL SUCCESSIONS ON CONIFER LITTER | CASA | (INT) 20 |
| WIDDEN, P. | ECOLOGY OF SOIL MICROFUNGI INVOLVED IN LITTER AND CELLULOSE DECOMPOSITION | NSERC | (EXT) 02 |

## CHEMISTRY

| | | | |
|---|---|---|---|
| ABLENAS, F. | THE PREPARATION AND REACTIONS OF SULFINES AND SULFENES | NSERC | (INT) 20 |
| BIRD, P. | SYNTHETIC, CRYSTALLOGRAPHIC AND CATALYSIS STUDIES IN ORGANOMETALLIC CHEMISTRY | NSERC | (EXT) 02 |
| CAPOBIANCO, J. | SILICATE GLASS CERAMICS: NEW MATERIALS FOR TUNABLE SOLID STATE LASERS AND LUMINESCENT SOLAR COLLECTORS | NSERC | (EXT) 02 |
| CAPOBIANCO, J. | NEW MATERIALS FOR SOLID STATE TUNABLE LASERS | NSERC | (INT) 20 |
| COLEBROOK, L. | STUDIES IN ORGANIC STRUCTURE AND STEREOCHEMISTRY | NSERC | (EXT) 02 |
| DAUNT, S. | HIGH RESOLUTION LABORATORY AND FIELD STUDIES OF ASTROPHYSICAL MOLECULES | NSERC | (EXT) 02 |
| DENES, G. | HIGH Tc SUPERCONDUCTING CERAMICS | NSERC | (INT) 20 |
| ENGLISH, A. | MODIFICATION OF HEME PROTEINS AND ENZYMES FOR ANALYTICAL USES | CASA | (INT) 20 |
| ENGLISH, A. | LIGAND BINDING AND REDOX PROPERTIES OF HEME PROTEINS | NSERC | (EXT) 02 |
| ENGLISH, A. | STUDIES ON HEME PROTEINS (Co-Investigator: Kornblatt, J.) | FCAR | (EXT) 02 |
| HILL, B. | SUBUNIT STRUCTURAL STUDIES OF CYTOCHROME C OXIDASE | CASA | (INT) 20 |
| HILL, B. | MECHANISTIC STUDIES OF THE REACTIONS CATALYSED BY CYTOCHROME C OXIDASE | NSERC | (EXT) 02 |

| | Project Title | Agency | Type |
|---|---|---|---|
| KHAN, R. | EFFECT OF DNA-DAMAGE ON GENE EXPRESSION IN SACCHAROMYCES CEREVISIAE (YEAST) | FCAR | (INT) 20 |
| KORNBLATT, M. | MAMMALIAN ENOLASES: SUBUNIT INTERACTIONS AND MECHANISM | NSERC | (EXT) 02 |
| KORNBLATT, M. | STRUCTURE AND MECHANISM OF ENOLASE AND CYTOSINE DEAMINASE (2) | ANOPC | (EXT) 02 |
| LANGFORD, C. | INORGANIC PHOTOCHEMISTRY AND ENVIRONMENTAL SPECIATION (TEAM) (Co-investigator: Zienius, R.) | NSERC | (EXT) 02 |
| LANGFORD, C. | MATERIAUX DE DEUXIEME GENERATION POUR LES TECHNOLOGIE DE L'ENERGIE ET DE L'ELECTRONIQUE (ACTIONS STRUCTURANTES) | MESS | (EXT) 02 |
| LANGFORD, C. | MOLECULAR PHOTOVOLTAIC CELLS (STRATEGIC GROUP WITH GRAVEL, D. - UNIV. DE MONTREAL, DODELET, J.P. - INRS, AND LAWRENCE, M.F.) | NSERC | (EXT) 02 |
| LANGFORD, C. | PHOTOCATALYSIS DEVELOPMENT - CONSULTING | ANOCC | (EXT) 01 |
| LAWRENCE, M. | L'EPITAXIE DE GaAs SUR Ge PAR LA TECHNIQUE DE TRANSPORT REACTIF A COURTE DISTANCE | FCAR | (INT) 20 |
| LAWRENCE, M. | THIN FILM ZnSe/GaAs HETEROEPITAXIAL SOLAR CELL (Co-investigators: Lombos, B. and Dodelet, J.P. - INRS) | FCAR | (INT) 20 |
| LAWRENCE, M. | PHOTOVOLTAIC DEVICES USING II-VI SEMICONDUCTORS GROWN BY THE GAS-SOLID PROCESS | NSERC | (EXT) 02 |
| LE VAN MAO, R. | DEVELOPPEMENT D'UN ADSORBANT CHRYSOZEOLITIQUE COMME RETENTEUR D'EAU ET CONDITIONNEUR DE SOL | IDLA | (EXT) 01 |
| LE VAN MAO, R. | PERFECTIONNEMENT D'UN CATALYSEUR CHRYSOZEOLITIQUE DANS LA TRANSFORMATION DE BIOMASSE EN ETHYLENE | IDLA | (EXT) 01 |
| LE VAN MAO, R. | CATALYSEURS ZEOLITIQUES: CARACTERISATION PHYSICO-CHIMIQUE ET OPTIMISATION DE FORMULATION | NSERC | (EXT) 02 |
| LE VAN MAO, R. | MESURE DE LA SURFACE SPECIFIQUE DES ECHANTILLONS DE POUDRE PAR LA METHODE D'ADSORPTION D'AZOTE B.E.T. | NRC | (EXT) 01 |
| LE VAN MAO, R. | PATENT CATALYSTS FOR BIOMASS CONVERSION | FCAR | (INT) 20 |
| SERPONE, N. | STUDIES IN APPLIED HETEROGENEOUS PHOTOCATALYSIS | NSERC | (INT) 20 |
| SERPONE, N. | HETEROGENEOUS PHOTOCATALYSIS AND INORGANIC PHOTOCHEMISTRY AND PHOTOPHYSICS | NSERC | (EXT) 02 |

| | Project Title | Agency | Type |
|---|---|---|---|
| TEE, O. | STUDIES IN PHYSICAL ORGANIC CHEMISTRY | NSERC | (EXT) 02 |
| **COMMUNICATION STUDIES** | | | |
| CHARLAND, M. | COMMUNICATION, CULTURE AND TECHNOLOGY (2) | ANOPC | (EXT) 02 |
| DINIACOPOULOS, D. | THE FLY'S SHADOW EVASIVE CRAWLING BEHAVIOUR | CASA | (INT) 20 |
| HANCOX, R. | MOOSE JAW - 16 MM MOTION PICTURE | SSHRC | (INT) 20 |
| LEWIS, B. | THE FAMILY FILMED | SSHRC | (INT) 20 |
| TADDEO, D. | THE MASS MEDIA AND THE LANGUAGE OF EDUCATION DEBATE: THE LEGITIMIZATION OF ISSUES AND CHARACTERS IN THE MAINSTREAM AND ETHNIC (ITALIAN) MEDIA OF MONTREAL | SSHRC | (INT) 20 |
| THWAITES, H. | 1988 INTERNATIONAL SEMINAR AND TELECONFERENCE ON THREE DIMENSIONAL MEDIA TECHNOLOGY (3DMT) | CNCPT | (EXT) 20 |
| VALASKAKIS, G. | COMMUNICATION AND AGING: DEMAND AND SUPPLY IN CANADA AND ISRAEL (Co-investigator: D. Shinar) | CASA | (INT) 20 |
| **ECONOMICS** | | | |
| AHSAN, S. | PROVINCIAL INCOME AND PUBLIC EXPENDITURE: AN INTER-PROVINCIAL COMPARISON (Co-investigator: Sahni, B.) | FCAR | (EXT) 02 |
| AHSAN, S. | TAX POLICY AND REFORM UNDER UNCERTAINTY: A GENERAL EQUILIBRIUM ANALYSIS | SSHRC | (EXT) 02 |
| ISLAM, M. | TRADE-ENGINE THEORY OF GROWTH REVISITED | SSHRC | (INT) 20 |
| MCINTOSH, J. | AN ECONOMETRIC ANALYSIS OF CANADIAN FIRMS' PLANNING AND EXPECTATION FORMATION MECHANISMS | SSHRC | (INT) 20 |
| RAFIQUZZAMAN, M. | THE OPTIMAL PATENT POLICIES FOR CANADA UNDER RISK | SSHRC | (INT) 20 |
| **EDUCATION** | | | |
| ABRAMI, P. | EFFECTS OF COOPERATIVE LEARNING ON COOPERATIVE BEHAVIOUR, STUDENT ACHIEVEMENT, BELIEF AND ATTITUDES (Co-investigators: deBellefeuille, B. and Farrell, M.) | FCAR | (EXT) 02 |
| ABRAMI, P. | THE EFFECTS OF MANIPULATING REWARD STRUCTURE ON CHILDREN'S LEARNING WITH MICROCOMPUTERS (Co-investigator: Baron, L.) | FCAR | (INT) 20 |

| | Project Title | Agency | Type |
|---|---|---|---|
| ABRAMI, P. | EDUCATIONAL RESEARCH ON GROUP PROCESSES | SSHRC | (INT) 20 |
| BARON, L. | SOCIAL INTERACTION OF YOUNG CHILDREN LEARNING ON MICROCOMPUTERS (STRATEGIC) | SSHRC | (EXT) 02 |
| BARON, L. | GROUP DYNAMICS, COMPUTER ASSISTED INSTRUCTION AND CLASSROOM LEARNING (Co-investigator: Abrami, P.) | FCAR | (EXT) 02 |
| BARON, L. | GROUP PROCESS FACTORS IN CHILDREN'S LEARNING FROM MICROCOMPUTERS | SSHRC | (EXT) 02 |
| HOWE, N. | RECIPROCAL AND COMPLEMENTARY INTERACTIONS AND SIBLING RELATIONSHIP | CASA | (INT) 20 |
| JACOBS, E. | A LONGITUDINAL STUDY OF THE EFFECTS OF DAY CARE QUALITY ON THE SOCIAL COMPETENCE OF KINDERGARTEN CHILDREN | FCAR | (INT) 20 |
| KNITTER, W. | DELIBERATIVE CURRICULUM THEORY: IMPLICATIONS FOR EDUCATION | ANOPC | (EXT) 02 |
| MITCHELL, D. | ADVANCES IN INSTRUCTIONAL THEORY, ARTIFICIAL INTELLIGENCE AND INFORMATION THEORY FOR EDUCATION (Co-investigators: Boyd, G., Jaworski, W.M. and Schmid, R.) | FCAR | (EXT) 20 |
| MITCHELL, D. | INTELLIGENT SUPPORT SYSTEMS FOR EDUCATION AND WORK (STRATEGIC) | SSHRC | (EXT) 02 |
| SCHMID, R. | AN ANALYSIS OF THE TEACHING/LEARNING UTILITY OF EXPERT SYSTEM AS A HIGHER-ORDER INSTRUCTIONAL ALGORITHM (Co-investigators: Bernard, R. and Dicks, D.) | FCAR | (EXT) 02 |
| STEVENS, F. | ORAL AND WRITTEN COMMUNICATION STRATEGIES IN FRENCH IMMERSION STUDENTS: GRADE 3 AND SECONDARY IV (Co-investigator: Ligier, F.) | SSHRC | (INT) 20 |
| **ENGLISH** | | | |
| FINK, H. | CANADIAN NATIONAL THEATRE ON THE AIR, VOLUME II, 1962-85: CANADIAN RADIO DRAMA IN ENGLISH (STRATEGIC) | SSHRC | (EXT) 02 |
| FRIEWALD, B. | GENDER, CREATIVITY AND LITERARY PRODUCTION | SSHRC | (EXT) 02 |
| GEDDES, G. | CORMORANT BOOKS | ANOPC | (EXT) 02 |
| GEDDES, G. | NU-AGE EDITIONS, STUDENT PUBLISHING PROJECT | ANOPC | (EXT) 02 |

| | Project Title | Agency | Type |
|---|---|---|---|
| KETTERER, D. | RESEARCH INTO THE LIFE AND WORK OF CHARLES HEBER | SSHRC | (EXT) 02 |
| MARTIN, R. | NEWTON ARVIN: A LIFE IN CONTEXT | SSHRC | (INT) 20 |
| PECHTER, E. | RENAISSANCE PLAYS AND 'THE WOMEN QUESTION' | ANOPC | (EXT) 02 |
| PHILMUS, R. | SCIENCE FICTION STUDIES, JOURNAL PUBLICATION | ANOPC | (EXT) 02 |
| POTEET, L. | THE FAR EASTERN TOWNSHIPS PHRASE BOOK (2) | CASA | (INT) 20 |
| SOMMER, R. | PRESENTATION OF POETRY IN A MULTI-MEDIA CONTEXT FOR VIDEO TAPE CASSETTE (2) | ANOPC | (EXT) 02 |
| **ETUDES FRANÇAISES** | | | |
| VERTHUY, M. | COMPUTER AND LITERARY CRITICISM | ANOPC | (EXT) 02 |
| VERTHUY, M. | LA FRANCOPHONIE, C'EST NOUS (2) | SSHRC | (INT) 20 |
| VERTHUY, M. | VIE QUOTIDIENNE DANS LA FRANCOPHONIE | FCAR | (INT) 20 |
| **EXERCISE SCIENCE** | | | |
| GAUVIN, L. | EXAMINATION OF DIFFERENT HEALTH ENHANCEMENT MODELS FOR THE STUDY OF THE PSYCHOLOGICAL ASPECTS OF EXERCISE, PHYSICAL ACTIVITY AND LIFESTYLE | SSHRC | (INT) 20 |
| JANKOWSKI, L. | A VISCOUS DAMPER ERGOMETER (VDE) FOR WORK PHYSIOLOGY RESEARCH IN DISABLED PEOPLE | CASA | (INT) 20 |
| KILGOUR, R. | EFFECTS OF ENDURANCE TRAINING ON FAST AXONAL TRANSPORT OF PROTEIN IN MOTORNEURONS OF DIABETIC RATS | FCAR | (INT) 20 |
| SWEDBURG, R. | ELDERHOSTEL QUEBEC DEVELOPMENT | ANOFC | (EXT) 02 |
| **GEOGRAPHY** | | | |
| AIKEN, S. | VANISHING RAIN FORESTS: THE HUMAN IMPACT ON MALAYSIA | SSHRC | (INT) 20 |
| ANDERSON, J. | THE RELATION OF INSTRUCTION AND VERBAL ABILITY ON THE ACQUISITION OF SELECTED CARTOGRAPHIC SKILLS BY KINDERGARTEN CHILDREN (4) | ANOPC | (EXT) 02 |
| BARLOW, M. | AN EVALUATION OF MONTREAL'S ROLE AS AN INTERNATIONAL CITY | SSHRC | (INT) 20 |
| SLACK, B. | MULTI-LOCATIONAL FIRMS IN THE PORT SERVICE INDUSTRY | SSHRC | (INT) 20 |

| | Project Title | Agency | Type |
|---|---|---|---|
| THORNTON, P. | INFANT MORTALITY IN MONTREAL 1860-1880: AN EXPLORATION IN METHODOLOGY | FCAR | (INT) 20 |

## Geology

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|---|---|---|---|
| KUMARAPELI, S. | A STUDY OF A SEGMENT OF THE TANLU ZONE, EAST CHINA | NSERC | (INT) 20 |
| ST. SEYMOUR, K. | MINERALOGICAL AND CHEMICAL CHANGES DURING BASALTIC HYALOCLASTITE FORMATION, NISYROS VOLCANO | CASA | (INT) 20 |
| ST. SEYMOUR, K. | CHEMOSTRATIGRAPHY OF GREENSTONE BELT, SLAVE PROVINCE, NWT, CANADA | NSERC | (EXT) 02 |

## History

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|---|---|---|---|
| ADAMS, G. | RESEARCH INTO CERTAIN ASPECTS OF PROTESTANT AND JEWISH LIFE IN MODERN FRANCE | ANOPC | (EXT) 02 |
| CARR, G. | ENGLISH-CANADIAN LITERARY CRITICISM 1872-1943: A CULTURAL HISTORY | CASA | (INT) 20 |
| CHALK, F. | THE HISTORY OF SOCIOLOGY AND GENOCIDE: CONCEPTS AND READINGS (WITH K. JONASSOHN) | SSHRC | (INT) 20 |
| CHALK, F. | THE MONTREAL INSTITUTE FOR GENOCIDE STUDIES (MIGS) | ANOPC | (EXT) 02 |
| DECARIE, G. | ANGLOPHONE QUEBEC PROJECT (2) | ANOFC | (EXT) 02 |
| FICK, C. | LONG-TERM SOCIO-HISTORICAL STUDY OF THE ISLAND OF ST. BARTHELEMY | SSHRC | (EXT) 02 |
| MASON, M. | BRITAIN IN EGYPT: 1945-56 | SSHRC | (INT) 20 |
| ROTHKRUG, L. | RELIGIOUS PRACTICES AND CULTURAL DIFFERENTIATION IN MEDIEVAL AND EARLY MODERN EUROPE | SSHRC | (EXT) 02 |
| RUDIN, R. | THE CAISSES POPULAIRES OF QUEBEC 1900-1945 | SSHRC | (EXT) 02 |
| SHLOSSER, F. | A STUDY IN THE TENSION BETWEEN HELLENISM AND CHRISTIANITY IN BYZANTINE CIVILIZATION | CASA | (INT) 20 |
| TITTLER, R. | ARCHITECTURE AND POWER: THE TOWN HALL AND THE ENGLISH URBAN COMMUNITY | SSHRC | (EXT) 02 |

## Institute for Cooperative Education

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|---|---|---|---|
| TRUDEL, G. | ANALYSIS OF ENVIRONMENTAL SAMPLES FOR INORGANIC CHEMICALS | CCIW | (EXT) 01 |

| | Project Title | Agency | Type |
|---|---|---|---|
| **INTERDISCIPLINARY STUDIES** | | | |
| PYENSON, S. | BIOGRAPHY OF J.W. DAWSON | ANOPC | (EXT) 02 |
| **MATHEMATICS** | | | |
| ALI, S. | STOCHASTIC QUANTUM MECHANICS AND QUANTUM SPACE-TIME | NSERC | (EXT) 02 |
| BOYARSKY, A. | APPLICATIONS OF ABSOLUTELY CONTINUOUS INVARIANT MEASURES | NSERC | (EXT) 02 |
| BOYARSKY, A. | APPROXIMATING THE INVARIANT DENSITIES OF NON-EXPANDING TRANSFORMERS | CASA | (INT) 20 |
| BYERS, W. | ITERATION OF MAPS AND APPLICATIONS (Co-investigators: Boyarski, A., Malik, M., Proppe, H. and Stern, R.) | FCAR | (EXT) 02 |
| BYERS, W. | DYNAMICS OF ENDOMORPHISMS OF EUCLIDEAN SPACES | NSERC | (EXT) 02 |
| CHAUBEY, Y. | A STUDY OF SOME STATISTICAL PROCEDURES IN SAMPLING AND LINEAR MODELS | NSERC | (EXT) 02 |
| DWIVEDI, T. | STATISTICAL INFERENCE IN LINEAR MODELS | NSERC | (EXT) 02 |
| GARRIDO, J. | APPLICATIONS OF THE TERM STRUCTURE OF FINANCE THEORY TO RISK THEORY MODELING | CASA | (INT) 20 |
| HALL, R. | GEOMETRICAL AND GRAPHICAL METHODS IN THEORETICAL PHYSICS | NSERC | (EXT) 02 |
| HILLEL, J. | A LOGO ENVIRONMENT TO ENHANCE AN ANALYTICAL SOLUTION SCHEMA BY 12 YEAR OLDS | SSHRC | (EXT) 02 |
| KHALIL, Z. | EFFICIENT TECHNIQUES IN NETWORK RELIABILITY | NSERC | (EXT) 02 |
| KISILEVSKY, H. | ALGEBRAIC NUMBER THEORY | NSERC | (EXT) 02 |
| MURTY, V. | ARITHMETIC ALGEBRAIC GEOMETRY | NSERC | (EXT) 02 |
| RAPHAEL, R. | TOPICS IN RING THEORY AND ABELIAN GROUPS | NSERC | (EXT) 02 |
| STANFORD, D. | ACCURATE PRIORITY QUEUEING NETWORK DELAY APPROXIMATIONS | NSERC | (EXT) 02 |
| STERN, R. | CONE REACHABILITY AND MATRIX THEORY | NSERC | (EXT) 02 |

| | Project Title | Agency | Type |
|---|---|---|---|
| SZABO, M. | APPLICATIONS DES CATEGORIES A LA LOGIQUE A L'ANALYSE ET A L'INFORMATIQUE THEORIQUE (Co-investigators: Seldin, J., Bainbridge, S. - U. of Ottawa, Barr, M., Bunge, M., Lambek, J., Makkai, M. - all McGill, Reyes, G. - U. of M., Scott, P. - U. of Ottawa | FCAR | (EXT) 02 |
| WHEELER, D. | ALGEBRAIC THINKING IN HIGH SCHOOL STUDENTS (II): SOME EFFECTS OF INSTRUCTION AND THE ROLE OF LANGUAGE | SSHRC | (EXT) 02 |
| **PHILOSOPHY** | | | |
| ALLEN, C. | WOMEN'S CONCEPTUAL HISTORY: 1250-1800 | SSHRC | (EXT) 02 |
| JOOS, E. | PUBLICATION OF BOOK ON NIETZSCHE BY PETER LANG | ANOPC | (EXT) 20 |
| **PHYSICS** | | | |
| EDDY, N. | DESIGN, CONSTRUCTION, TESTING OF (a) PORTABLE DOSE EQUIVALENT METER (RADIATION SURVEY METER) AND (b) DESIGN, CONSTRUCTION, TESTING OF EDUCATIONAL MICROCOMPUTER FOR SCIENCE/ENGINEERING APPLICATIONS (3) | ANOPC | (EXT) 02 |
| FRANK, B. | SIMULATION STUDIES OF RARE-GAS SOLIDS | CASA | (INT) 20 |
| FRANK, B. | ISING MODEL: CRITICAL EXPONENTS | NSERC | (EXT) 02 |
| FRANK, M. | GLUONIUM DECAYS, CHIRAL QUARK MODEL AND COMPOSITE MODELS | NSERC | (EXT) 02 |
| KALMAN, C. | SUPERSYMMETRIC MODEL FOR ELECTROWEAK INTERACTIONS WITHOUT BARYON OR LEPTON NUMBER VIOLATION | NSERC | (EXT) 02 |
| MISRA, S. | EPR AND ENDOR INVESTIGATIONS OF PARAMAGNETIC IONS DOPING SINGLE CRYSTALS | NSERC | (EXT) 02 |
| MISRA, S. | ELECTRON PARAMAGNETIC RESONANCE (EPR) STUDIES OF TRANSITIONMETAL IONS IMBEDDED IN SINGLE CRYSTALS | NSERC | (INT) 20 |
| **POLITICAL SCIENCE** | | | |
| ANGELL, H. | THE QUEBEC LIBERAL PARTY 1920-1986: A STUDY IN REPEATED POLITICAL SUCCESS AND FAILURE | SSHRC | (INT) 20 |
| CHORNEY, H. | MACRO-ECONOMIC POLICY AND POLICY ALTERNATIVES | SSHRC | (EXT) 02 |
| GOLLNER, A. | BEYOND 1984: POLITICAL MANAGEMENT AND PUBLIC POLICY MAKING IN THE MULRONEY ERA | SSHRC | (EXT) 20 |

| | Project Title | Agency | Type |
|---|---|---|---|
| HERRMANN, K. | THE ASSOCIATION OF NATIONAL GERMAN JEWS 1921-1935, A POLITICAL HISTORY | SSHRC | (INT) 20 |
| LACHAPELLE, G. | L'EVALUATION DU PROGRAMME DE SOUTIEN ET RENFORCEMENT DES LIENS UNIVERSITES-INDUSTRIES (LUI) | MESS | (EXT) 01 |
| MOORE, J. | NATURAL LAW AND SCEPTICISM IN EARLY MODERN POLITICAL THOUGHT | ANOPC | (EXT) 02 |
| SALEE, D. | PUBLIC MANAGEMENT AND STATE POWER: ORGANIZATIONAL CULTURE IN THE CANADIAN ADMINISTRATIVE STATE | CASA | (INT) 20 |
| **PSYCHOLOGY** | | | |
| AMIR, S. | IN VIVO EXAMINATION OF PROTEIN C AS A MEDIATOR OF THE CENTRAL THERMOREGULATORY AND GLUCOREGULATORY EFFECTS OF THYROTROPIN-RELEASING HORMONE (ITRH) IN THE MOUSE | FCAR | (INT) 20 |
| AMIT, Z. | A BIOBEHAVIORAL INVESTIGATION OF ETHANOL REINFORCEMENT AND AVERSION | NSERC | (EXT) 02 |
| AMIT, Z. | GENETIC AND ENVIRONMENTAL INFLUENCE ON DRUG SELF-ADMINISTRATION IN RATS (Co-investigators: Aragon, C., Smith, B. and Schenk, S.) | FCAR | (EXT) 02 |
| AMIT, Z. | THE IDENTIFICATION OF A BIOLOGICAL MARKER FOR ALCOHOLISM: THE ROLE OF ETHANOL METABOLIZING ENZYMES | CDHW | (EXT) 02 |
| AMIT, Z. | ALCOHOLISM AND ADDICTION RESEARCH (3) | ANOCC | (EXT) 02 |
| AMIT, Z. | THE DEVELOPMENT OF A TREATMENT MODEL FOR HUMAN ALCOHOLICS (2) | ANOCC | (EXT) 02 |
| AMIT, Z. | THE DEVELOPMENT OF A TREATMENT MODEL FOR HUMAN ALCOHOLICS | ASTRA | (EXT) 02 |
| ANDRES, D. | INTERVENTIONS FOR CAREGIVERS OF DEMENTIA PATIENTS IN THE COMMUNITY - A PILOT PROJECT | SSHRC | (INT) 20 |
| ARAGON, C. | THE ROLE OF ETHANOL METABOLIZING ENZYMES IN MEDIATING THE PSYCHOPHARMACOLOGICAL ACTION OF ETHANOL | NSERC | (EXT) 02 |
| ARBUCKLE-MAAG, T. | AGE DIFFERENCE IN MEMORY IN RELATION TO INTERNAL AND EXTERNAL; SOURCES OF INTERFERENCE | NSERC | (INT) 20 |
| ARBUCKLE-MAAG, T. | LONG TERM SEQUELAE AND TRAUMAGENIC FACTORS IN CHILDHOOD SEXUAL ABUSE | CDHW | (EXT) 02 |

| | Project Title | Agency | Type |
|---|---|---|---|
| AZAR, S. | THE INTERGENERATIONAL TRANSMISSION OF HIGH RISK STATUS (Co-investigators: Schwartzman, A. and Serbin, L.) | FCAR | (EXT) 02 |
| BABARIK, P. | UNCOVERING THE CANADIAN ROOTS OF PSYCHOLOGY | ANOPC | (EXT) 02 |
| BARIBEAU, J. | CORRELATS NEUROPHYSIOLOGIQUES D'ATTENTION SELECTIVE | NSERC | (EXT) 02 |
| BARIBEAU, J. | COGNITIVE PERCEPTUAL REMEDIATION OF CLOSED HEAD INJURY | FCAR | (INT) 20 |
| BERGER, C. | ALPRAZOLAM IN THE TREATMENT OF PREMENSTRUAL TENSION SYNDROME CONCOMMITANT WITH NONPSYCHOTIC PSYCHOPATHOLOGY | UPJCO | (EXT) 02 |
| BOZARTH, M. | INTRACRANIAL SELF-ADMINISTRATION OF OPIATES | NSERC | (EXT) 02 |
| BRENDER, W. | A LITERATURE REVIEW: RISK FACTORS ASSOCIATED WITH CHILD SEXUAL ABUSE | CDHW | (EXT) 02 |
| BRETON, G. | RESEARCH IN THE HISTORY OF PSYCHOLOGY | ANOPC | (EXT) 02 |
| BROSS, M. | LEARNING FACTORS IN THE PERCEPTION OF SUBJECTIVE CONTOURS | NSERC | (INT) 20 |
| BRUSSELL, E. | THE INFLUENCE OF PERCEPTUAL CUE INTERACTIONS ON THE FIDELITY OF AIRCRAFT SIMULATORS | NSERC | (INT) 20 |
| BRUSSELL, E. | BEHAVIOURAL ASSESSMENT OF DEMYELINATED PATHWAYS IN THE HUMAN VISUAL SYSTEM | MRC | (EXT) 02 |
| BRUSSELL, E. | RESEARCH IN THE AREA OF PERCEPTUAL CUES AND FLIGHT SIMULATION | CAE | (EXT) 02 |
| BRUSSELL, E. | THE PROCESSING OF CONTOUR AND BRIGHTNESS INFORMATION | NSERC | (EXT) 02 |
| CHAIKELSON, J. | RELIABILITY OF THE LIFETIME DRINKING QUESTIONNAIRE | SSHRC | (INT) 20 |
| CONWAY, M. | EVALUATING THE PERCEPTIONS OF NEGATIVE SELF-DISCLOSURES IN SOCIAL INTERACTION | CASA | (INT) 20 |
| CONWAY, M. | AUTOBIOGRAPHICAL RECALL AND THE SELF-SCHEMA IN EMOTIONAL SELF-REGULATION (Co-investigator: Kaloupek, D.) | FCAR | (EXT) 02 |
| CONWAY, M. | AUTOBIOGRAPHICAL RECALL AND THE SELF-SCHEMA IN EMOTIONAL SELF-REGULATION | SSHRC | (EXT) 02 |

| | Project Title | Agency | Type |
|---|---|---|---|
| DOYLE, A. | A SEQUENTIAL ANALYSIS OF THE RELATIONS OF SOCIAL PRETEND PLAY TO AFFECT AND SOCIAL BEHAVIOUR | SSHRC | (EXT) 02 |
| GOLD, D. | ALCOHOL USE AND COGNITIVE DEFICITS IN OLD AGE: AN INSTITUTIONALIZED SAMPLE | SSHRC | (INT) 20 |
| GOLD, D. | DIMENTIA PATIENTS RESIDING IN THE COMMUNITY | FRSQ | (EXT) 02 |
| GRAY, T. | DIMENSIONS OF EVIDENCE: STUDIES OF BELIEF | ANOPC | (EXT) 02 |
| GRAY, T. | DIMENSIONS OF EVIDENCE: STUDIES OF BELIEF | SSHRC | (EXT) 02 |
| HILTON, A. | ETHNIC RELATIONS (2) | ANOPC | (EXT) 02 |
| JANS, J. | NESTING PATTERNS IN NORWAY RATS: IMPLICATIONS FOR DEVELOPMENT | NSERC | (EXT) 02 |
| KALOUPEK, D. | INVESTIGATION OF BASIC HUMAN FEAR TYPES | NSERC | (EXT) 02 |
| KALOUPEK, D. | A PATH-ANALYTIC STUDY OF PHYSICAL SYMPTOM COMPLAINTS | CASA | (INT) 20 |
| KALOUPEK, D. | MEDICAL STRESS RESEARCH (6) | ANOPC | (EXT) 02 |
| KLINE, R. | EVALUATION OF THE KAUFMAN ASSESSMENT BATTERY FOR CHILDREN AND FOUR EDITION STANFORD-BINET | CASA | (INT) 20 |
| KOMODA, M. | ETUDES DE LA LECTURE DANS UNE LANGUE SECONDE (Co-investigators: Brussell, E. and Segalowitz, N.) | FCAR | (EXT) 02 |
| LADD, H. | QUANTITATIVE EVALUATION OF NERVE/MUSCLE FUNCTION IN THE NEUROLOGICALLY HANDICAPPED | ANOCC | (EXT) 02 |
| LAMBERT, R. | PROCESSES IN THE ACQUISITION AND REPRESENTATION OF ENVIRONMENTAL COGNITIVE MAPS BY BLIND AND SIGHTED SUBJECTS | NSERC | (EXT) 02 |
| LAMBERT, R. | THE ROLE OF PERCEPTUAL TRAINING, GROUP COUNSELLING AND INDIVIDUAL COUNSELLING IN THE IMPROVEMENT OF VISUAL PERFORMANCE AND ADJUSTMENT WITH VISUALLY IMPAIRED INDIVIDUALS (Co-investigator: Bross, M.) | FCAR | (EXT) 02 |
| LAURENCE, J. | DISTORTIONS OF MEMORY AND PERCEPTION IN HYPNOSIS | NSERC | (EXT) 02 |
| LAURENCE, J. | MECANISMES COGNITIFS SOUS-JACENTS AUX MODIFICATIONS SPONTANEES ET SUGGEREES DE LA MEMOIRE (Co-investigator: Perry, C.) | FCAR | (EXT) 02 |

| | Project Title | Agency | Type |
|---|---|---|---|
| MCNEIL, K. | THE TREATMENT OF DEPRESSION IN THE ELDERLY BY HEALTH BEHAVIOUR MODIFICATION | SSHRC | (INT) 20 |
| OVERBURY, O. | ASSESSMENT AND TRAINING OF PERCEPTUAL SKILLS IN THE VISUALLY IMPAIRED | NSERC | (EXT) 02 |
| PERRY, C. | ERRORS OF MEMORY AND HYPNOTIC HYPERMNESIA | NSERC | (EXT) 02 |
| POULIN-DUBOIS, D. | COGNITIVE CONSTRAINTS ON ACQUISITION OF OBJECT WORDS | NSERC | (EXT) 02 |
| POULIN-DUBOIS, D. | DEVELOPPEMENT SENSORI-MOTEUR ET DEVELOPPEMENT LEXICAL PRECOCE: UNE ETUDE COMPARATIVE D'ENFANTS SOURDS ET ENTENDANTS (Co-Investigator: Pettito, L. - McGill) | FCAR | (EXT) 02 |
| POULIN-DUBOIS, D. | THE EMERGENCE OF CATEGORIZATION AMONG PREVERBAL 12-14 MONTH OLD INFANTS | SSHRC | (EXT) 02 |
| ROMPRE, P.P. | AN INVESTIGATION OF THE ROLE OF CHOLECYSTOKININ IN THE REWARDING EFFECT OF BRAIN STEM STIMULATION | NSERC | (INT) 20 |
| ROMPRE, P.P. | BRAIN STEM SUBSTRATES OF INTRACRANIAL SELF-STIMULATION | NSERC | (EXT) 02 |
| SCHENK, S. | ENVIRONMENTAL INFLUENCE ON DRUG-PRODUCED REWARD | NSERC | (EXT) 02 |
| SCHWARTZMAN, A. | LES COMPORTEMENTS AGRESSIFS ET RENFERMES DE L'ENFANCE COMME FACTEURS DE RISQUE: LES SEQUELLES PSYCHOSOCIALES A L'AGE ADULTE | CQRS | (EXT) 02 |
| SEGALOWITZ, N. | BILINGUALISM: COGNITIVE STUDIES | ANOPC | (EXT) 02 |
| SERBIN, L. | DEVELOPPEMENT DE STEREOTYPES SOCIAUX: ETUDES DE L'INTERACTION ENTRE L'AFFECT ET LA COGNITION (Co-Investigators: Doyle, A.B., White, D. and Aboud, F. - McGill) | FCAR | (EXT) 02 |
| SERBIN, L. | THE DEVELOPMENT OF THE CONCEPT OF GENDER IN INFANCY (Co-Investigator: Poulin-Dubois, D.) | FCAR | (INT) 20 |
| SERBIN, L. | CENTRE DE RECHERCHE EN DEVELOPPEMENT HUMAINE | FCAR | (EXT) 02 |
| SHIZGAL, P. | PSYCHOPHYSICAL STUDIES OF BRAIN STIMULATION REWARD | NSERC | (EXT) 02 |
| SHIZGAL, P. | LES MECANISMES NERVEUX RESPONSABLES DE L'AUTOSTIMULATION INTRACEREBRALE CHEZ LE RAT (Co-Investigator: Rompre, P.) | FCAR | (EXT) 02 |
| SHIZGAL, P. | ELECTROPHYSIOLOGICAL STUDIES OF THE NEURAL SUBSTRATE FOR BRAIN STIMULATION REWARD | MRC | (EXT) 02 |

| | Project Title | Agency | Type |
|---|---|---|---|
| SINYOR, D. | ACUTE EFFECTS OF EXERCISE ON ANXIETY AND STRESS-RESPONSE IN ANXIOUS SUBJECTS (Co-investigator: Seraganian, P.) | FCAR | (INT) 20 |
| STEWART, J. | CONDITIONED DRUG EFFECTS | ANOPC | (EXT) 02 |
| STEWART, J. | HORMONAL, EXPERIENTIAL AND NEURAL DETERMINANTS OF SEX DIFFERENCES IN BEHAVIOR | NSERC | (EXT) 02 |
| STEWART, J. | SPECIAL ISSUE OF PSYCHOBIOLOGY, SEXUAL DIFFERENTIATION AND GENDER-RELATED BEHAVIOURS | ANOCC | (EXT) 20 |
| STEWART, J. | CONDITIONED PHYSIOLOGICAL CHANGES TO REPEATED ADMINISTRATION OF PSYCHOACTIVE DRUGS | MRC | (EXT) 02 |
| TAYLOR, N. | A STUDY OF LONGTERM MEMORY IN PRETERM AND FULLTERM INFANTS WITH THE MOBILE CONJUGATE REINFORCEMENT PARADIGM (3) | ANOPC | (EXT) 02 |
| TAYLOR, N. | THE EFFECT OF REACTIVATION TREATMENT ON LONGTERM MEMORY IN PRETERM AND FULLTERM INFANTS OF EQUIVALENT POSTCONCEPTIONAL AGE | SRCFC | (EXT) 02 |
| WHITE, C. | STRATEGIC PERIMETRY OF VISUAL FIELDS | NSERC | (INT) 20 |
| WHITE, D. | ADHERENCE TO DIETARY EXERCISE AND DRUG REGIMES IN DIABETIC YOUNGSTERS: QUESTIONNAIRE DEVELOPMENT | FCAR | (INT) 20 |
| WHITE, D. | DEVELOPPEMENT SOCIAL ET PASSAGE DE LA GARDERIE A LA MATERNELLE: LES EFFECTS DES DIFFERENCES DANS LES MILIEUX DE GARDE (Co-investigators: Jacobs, E., Baillargeon, M. - Laval, and Betsalel-Presser, R. - U. de M.) | FCAR | (EXT) 02 |
| WHITE, D. | CHILDHOOD OBESITY RESEARCH (2) | ANOPC | (EXT) 02 |
| WISE, R. | NEUROPHARMACOLOGIE DES MECANISMES DE LA MOTIVATION CHEZ LE RAT: IMPLICATION DES DIFFERENTS TYPES DE RECEPTEURS AUX OPIACES (Co-investigators: Bozarth, M., Pocock, P. and Weiner, S.) | FCAR | (EXT) 02 |
| WISE, R. | NEURAL SUBSTRATE OF COCAINE ABUSE | USHEW | (EXT) 02 |
| WISE, R. | NEUROBIOLOGY OF ETHANOL ABUSE | USHEW | (EXT) 02 |
| WISE, R. | RAT MODEL ON INTRAVENOUS DRUG ABUSE | MRC | (EXT) 02 |
| WISE, R. | CRYOSTAT | NSERC | (EXT) 03 |
| WISE, R. | MFB MOTIVATIONAL MECHANISMS | NSERC | (EXT) 02 |
| WISE, R. | CENTRE D'ETUDES EN NEUROBIOLOGIE COMPORTEMENTALE | FCAR | (EXT) 02 |

| | Project Title | Agency | Type |
|---|---|---|---|
| WOODSIDE, B. | HORMONE-ENVIRONMENTAL INTERACTIONS AND MATERNAL BEHAVIOR IN THE RAT | NSERC | (EXT) 02 |

## Religion

| | | | |
|---|---|---|---|
| BIRD, F. | THE MORAL MILIEU OF MANAGEMENT: A SOCIOLOGICAL ANALYSIS OF MORAL DECISION-MAKING IN BUSINESS | SSHRC | (EXT) 02 |
| DESPLAND, M. | MENTALITES RELIGIEUSES EN FRANCE AU XIXe SIECLE | SSHRC | (EXT) 02 |
| HOWES, D. | QUEBEC LEGAL HISTORY | ANOFC | (EXT) 02 |
| LIGHTSTONE, J. | TALMUDIC RABBINISM, SOCIETY AND TEXT | SSHRC | (EXT) 02 |
| MCDONOUGH, S. | ETHNICITY AND RELIGION AMONG THE MUSLIMS OF MONTREAL | SSHRC | (INT) 20 |
| OPPENHEIM, M. | JOURNAL OF RELIGION AND CULTURE - 2ND ISSUE | SSHRC | (INT) 20 |
| ROBINSON, I. | MODERNIZATION OF TRADITIONAL CULTURES: THE PERSPECTIVE OF HAGIOGRAPHY (Co-investigator: Miller, D.) | FCAR | (INT) 20 |
| ROBINSON, I. | YIDDISH IN MONTREAL | SSHRC | (EXT) 20 |

## Simone de Beauvoir Institute

| | | | |
|---|---|---|---|
| MARTINDALE, K. | JOURNAL OF FEMINIST ETHICS | SSHRC | (INT) 20 |
| ROBERTS, B. | WOMEN IN CANADIAN PEACE ORGANIZATIONS 1930-1960 (2) | SSHRC | (INT) 20 |
| VELLACOTT, J. | FEMINISM AND PACIFISM, THEORY AND PRACTICE: CATHERINE E. MARSHALL AND OTHER LEADERS | SSHRC | (EXT) 02 |

## Sociology and Anthropology

| | | | |
|---|---|---|---|
| CHODAK, S. | THE NEW STATION: ETATIZATION OF WESTERN SOCIETIES | SSHRC | (INT) 20 |
| GAVAKI, E. | THE GREEKS IN MONTREAL: A SOCIOLOGICAL PORTRAIT | CDSS | (EXT) 02 |
| HOECKER-DRYSDALE, S. | THE SOCIOLOGY OF HARRIET MARTINEAU | SSHRC | (INT) 20 |
| JONASSOHN, K. | THE GYPSY GENOCIDE: A BIBLIOGRAPHY | FCAR | (INT) 20 |
| LECAVALIER, G. | AN ANNOTATED INDEXED BIBLIOGRAPHY ON CANADA'S OFFICIAL LANGUAGE MINORITIES | SSHRC | (EXT) 02 |
| LEGROS, D. | TUTCHONE ATHAPASKAU ETHNOGRAPHY | ANOPC | (EXT) 02 |

| | Project Title | Agency | Type |
|---|---|---|---|
| REIMER, W. | MINORITY COMMUNITY CASE STUDY - PHASE II | COL | (EXT) 01 |
| REIMER, W. | ECONOMY AND HOUSEHOLD: THE GENDER BASED DIVISION OF LABOUR ON THE FARM, MONTMAGNY COUNTY 1951-81 | SSHRC | (INT) 20 |
| SMUCKER, J. | GOVERNMENT REMEDIAL PROGRAMS FOR THE UNEMPLOYED: AN INVENTORY AND ANALYSIS | SSHRC | (INT) 20 |

## Teaching of English as a Second Language (TESL)

| | | | |
|---|---|---|---|
| BELMORE, N. | WORD CLASSIFICATION FOR NATURAL LANGUAGE UNDERSTANDING SYSTEMS | SSHRC | (INT) 20 |
| LIGHTBOWN, P. | THE EVALUATION OF AN EXPERIMENTAL PROGRAM FOR ENGLISH (SECOND LANGUAGE) INSTRUCTION IN GRADES 3, 4, AND 5 IN SEVERAL FRENCH LANGUAGE SCHOOLS | NBMED | (EXT) 01 |
| LIGHTBOWN, P. | ESL EVALUATION PROGRAM | ANOCC | (EXT) 02 |
| LIGHTBOWN, P. | INSTRUCTIONAL PRACTICES AND LEARNERS' DEVELOPING SECOND LANGUAGE ABILITIES IN INTENSIVE ENGLISH (SECOND LANGUAGE) PROGRAMS IN QUEBEC FRENCH-LANGUAGE ELEMENTARY SCHOOLS (Co-investigators: Acheson, P., Upshur, J. Spada, N. - McGill, d'Anglejan, A. - U. de M.) | FCAR | (EXT) 02 |
| LIGHTBOWN, P. | ESL EVALUATION PROGRAM | CSVDO | (EXT) 02 |
| MACKAY, R. | AN INVESTIGATION INTO FACTORS CONTRIBUTING TO THE ACADEMIC SUCCESS AND FAILURE OF NATIVE STUDENTS (3) | ANOPC | (EXT) 02 |

## FACULTY OF COMMERCE AND ADMINISTRATION

| | Project Title | Agency | Type |
|---|---|---|---|
| **DEAN OF COMMERCE** | | | |
| APPELBAUM, S. | ESTABLISHING THE CONCORDIA PHARMACEUTICAL MANAGEMENT CENTRE (Co-investigator: Ross, C.) | ANOCC | (EXT) 02 |
| **ACCOUNTANCY** | | | |
| GHEYARA, K. | CHANGING PRICES, FIRM PROFITABILITY AND COMMON STOCK RETURNS (Co-investigator: Kanaan, G.K.) | SSHRC | (INT) 20 |
| LA ROCHELLE, B. | THE DEREGULATION OF PUBLIC ACCOUNTING PRACTICE IN CANADA | FCAR | (INT) 20 |
| SIMYAR, F. | SUCCESS IMPLICATIONS OF THE USE OF FINANCIAL INFORMATION BY THE HIGH TECHNOLOGY ENTREPRENEURIAL FIRMS IN QUEBEC AND THEIR MEASUREMENT PROBLEMS | SSHRC | (INT) 20 |
| **DSMIS** | | | |
| ANVARI, M. | OPTIMAL INVENTORY DECISIONS UNDER UNCERTAINTY | NSERC | (EXT) 02 |
| ANVARI, M. | PARETO OPTIMAL BILLING POLICIES | SSHRC | (EXT) 02 |
| BAYNE, C. | BSC/CONCORDIA DATA BASE DEVELOPMENT FOR ENGLISH SPEAKING BLACK COMMUNITY IN THE MONTREAL CMA | ANOFC | (EXT) 02 |
| BOURJOLLY, J. | IMPLEMENTATION OF A BRANCH-AND-BOUND ALGORITHM FOR MAXIMIZING A QUADRATIC PSEUDO-BOOLEAN FUNCTION WHEN THE NUMBER OF NON-LINEAR TERMS IS NOT LARGE | SSHRC | (INT) 20 |
| BOURJOLLY, J. | DESIGN AND IMPLEMENTATION OF ALGORITHMS IN OPERATIONS RESEARCH | NSERC | (EXT) 02 |
| BUYUKKURT, M. | ANALYSIS OF A MULTI-ECHELON REPAIRABLE ITEM INVENTORY SYSTEM | NSERC | (EXT) 02 |
| FARHOOMAND, A. | STRATEGIC USE OF INFORMATION SYSTEMS | SSHRC | (INT) 20 |
| GOYAL, S. | OPTIMIZATION OF MULTI-STAGE PRODUCTION SYSTEMS | NSERC | (EXT) 02 |
| KUSY, M. | ALGORITHMS FOR STOCHASTIC LINEAR INTEGER PROGRAMS WITH APPLICATION TO FINANCIAL PLANNING | NSERC | (EXT) 02 |
| KUSY, M. | MULTIPERIOD CAPITAL BUDGETING UNDER UNCERTAINTY | SSHRC | (EXT) 02 |
| KUSY, M. | THE DEVELOPMENT OF ALGORITHMS TO SOLVE STOCHASTIC LINEAR INTEGER PROBLEMS (SLIP) | NSERC | (INT) 20 |

| | Project Title | Agency | Type |
|---|---|---|---|
| MACGIBBON-TAYLOR, B. | L'ESTIMATION MULTIVARIEE OPTIMALE (Co-investigators: Blais, D., Colin - Univ. Sherbrooke, Dussault, Froda, Giroux, Hudon, Shorrock - UQAM) | FCAR | (EXT) 02 |
| MACGIBBON-TAYLOR, B. | THEORIE DE LA DECISION ET INEGALITES | NSERC | (EXT) 02 |
| NEBEBE, F. | A REGIONAL STUDY OF PULP AND PAPER INDUSTRY: AN ECONOMETRIC APPROACH (Co-investigator: Kira, D.) | NSERC | (INT) 20 |
| NEBEBE, F. | HAYESIAN & EMPIRICAL BAYES SHRINKAGE ESTIMATION | NSERC | (EXT) 02 |
| PEDERZOLI, G. | DECISION ANALYSIS FOR LOCATION PROBLEMS | NSERC | (EXT) 02 |
| POLITOF, T. | EFFICIENT ALGORITHMS FOR NETWORK RELIABILITY COMPUTATIONS | NSERC | (EXT) 02 |
| SATIR, A. | DESIGN OF PRODUCTION PLANNING AND INVENTORY SYSTEMS FOR COMPUTER INTEGRATED MANUFACTURING | NSERC | (EXT) 02 |
| SCOTT, D. | VEHICLE SCHEDULING METHODS WHICH TAKE ACCOUNT OF OPERATING LABOR CONSTRAINTS | NSERC | (EXT) 02 |
| TOMBERLIN, T. | AN EMPIRICAL BAYES ESTIMATION BASED ON RANDOM EFFECTS MODELS | NSERC | (INT) 20 |
| TOMBERLIN, T. | RANDOM EFFECTS MODELS AND EMPIRICAL BAYES ESTIMATION FOR FREQUENCY DATA | NSERC | (EXT) 02 |
| **FINANCE** | | | |
| DOUKAS, J. | THE EFFECT OF CORPORATE MULTINATIONALISM ON SHAREHOLDERS WEALTH: EVIDENCE FROM INTERNATIONAL ACQUISITION | CASA | (INT) 20 |
| HOCHSTEIN, A. | ECOLOGICAL REGRESSION: AN APPLICATION IN MARKETING (Co-investigators: Laroche, M. and Rosenblatt, J.) | CASA | (INT) 20 |
| KRYZANOWSKI, L. | AN EVALUATION OF THE BENEFITS OF THE QUEBEC STOCK SAVINGS PLAN (QSSP) TO CORPORATE QUEBEC AND QUEBECERS (Co-investigators: Brodt, A., Deshpande, S., Doukas, J., Gandhi, D., Hochstein, A., Jalilvand, A. and Rahman, A., Switzer, L.) | FCAR | (EXT) 02 |
| KRYZANOWSKI, L. | FINANCIAL MANAGEMENT PRACTICES AND PLIGHT OF SMALL AND MEDIUM-SIZED BUILDING CONTRACTORS | CMHC | (EXT) 02 |
| KRYZANOWSKI, L. | EXPERT SYSTEMS FOR CREDIT-GRANTING DECISION-MAKING | SSHRC | (EXT) 02 |

| | Project Title | Agency | Type |
|---|---|---|---|
| RAHMAN, A. | INDUSTRIAL LAND VALUATION | CASA | (INT) 20 |
| SHANKER, L. | MARGIN REQUIREMENTS AND HEDGING EFFECTIVENESS: AN ANALYSIS IN A RISK-RETURN FRAMEWORK | CASA | (INT) 20 |

## Management

| | | | |
|---|---|---|---|
| ASHFORTH, B. | COMMENTS ON ORGANIZATIONS AND THE PETTY TYRANT | CASA | (INT) 20 |
| BABA, V. | A LONGITUDINAL STUDY OF TURNOVER AMONG NURSES | SSHRC | (EXT) 02 |
| BABA, V. | LES LIENS INDIVIDU-ORGANISATION: ETUDE PROGRAMMEE DE LA QUALITE ET DE LA NATURE DE L'ATTACHEMENT DE L'INDIVIDU A L'ORGANISATION (Co-investigator: Jamal, M.) | FCAR | (EXT) 02 |
| CARNEY, M. | BOTTOM-UP FRANCHISING (STRATEGIC) | SSHRC | (EXT) 02 |
| DAINOW, R. | LIFE CYCLE TRANSITIONS - THE NEW I.P.O. (2) | ANOPC | (EXT) 02 |
| DEVINE, I. | SEXUAL TENSIONS IN THE CORPORATE WORLD: MUTUAL ATTRACTIONS IN THE WORKPLACE | CASA | (INT) 20 |
| DYER, L. | THE BEHAVIOURAL DYNAMICS OF PARADIGM DEVELOPMENT: A RESEARCH PROPOSAL (Co-investigator: Johns, G.) | CASA | (INT) 20 |
| IBRAHIM, A. | CAUSES OF FAILURE IN SMALL BUSINESS, CANADIAN FIRMS AND STRATEGIES EMPLOYED TO REDUCE IT | CASA | (INT) 20 |
| MCGUIRE, J. | EXECUTIVE COMPENSATION, CORPORATE STRATEGY AND FIRM PERFORMANCE | SSHRC | (INT) 20 |
| SEN, J. | AWARENESS OF GENDER AS A SOCIAL VARIABLE IN RESEARCH | CASA | (INT) 20 |

## Marketing

| | | | |
|---|---|---|---|
| DE BRENTANI, U. | DEVELOPING NEW SERVICES: EMPIRICAL STUDY OF SUCCESS AND FAILURE | SSHRC | (EXT) 02 |
| KIM, C. | EFFECTS OF SEX-ROLE ATTITUDE AND PERSONALITY TRAITS ON THE USE OF INFLUENCE STRATEGIES | FCAR | (INT) 20 |
| KIRPALANI, V. | DETERMINANTS DU DEGRE DE STANDARDISATION DES CAMPAGNES PUBLICITAIRES INTERNATIONALES | SSHRC | (EXT) 02 |
| MCGOWN, K. | A STUDY OF RAIL PASSENGERS | VIA | (EXT) 01 |
| MCGOWN, K. | CONCORDIA TRANSPORTATION MANAGEMENT CENTRE (2) | CNR | (EXT) 02 |

| | Project Title | Agency | Type |
|---|---|---|---|
| MCGOWN, K. | PHARMACEUTICAL MANAGEMENT FEASIBILITY RESEARCH | SCHEC | (EXT) 01 |
| MCGOWN, K. | PHARMACEUTICAL MANAGEMENT FEASIBILITY RESEARCH | PFIZ | (EXT) 01 |
| MCGOWN, K. | PHARMACEUTICAL MANAGEMENT FEASIBILITY RESEARCH | RPPI | (EXT) 01 |
| MCGOWN, K. | PHARMACEUTICAL MANAGEMENT FEASIBILITY RESEARCH | UPJCO | (EXT) 01 |
| MCGOWN, K. | PHARMACEUTICAL MANAGEMENT FEASIBILITY RESEARCH (6) | ANOCC | (EXT) 01 |
| MCGOWN, K. | PHARMACEUTICAL MANAGEMENT FEASIBILITY RESEARCH | MERFR | (EXT) 01 |
| ROSENBLATT, J. | EXPLAINING PHYSICIAN PRESCRIBING PATTERNS: A PSYCHOGRAPHIC SEGMENTATION APPROACH | SSHRC | (EXT) 02 |

## FACULTY OF ENGINEERING AND COMPUTER SCIENCE

| | Project Title | Agency | Type |
|---|---|---|---|
| **CENTRE FOR BUILDING STUDIES (C.B.S)** | | | |
| ATHIENTITIS, A. | MODELLING OF BUILDING HVAC DYNAMICS AND ITS USE FOR ENERGY MANAGEMENT | CASA | (INT) 20 |
| BEDARD, C. | DEVELOPMENT OF A BUILDING EVALUATION AND DESIGN SYSTEM | NSERC | (EXT) 02 |
| BEDARD, C. | KNOWLEDGE-BASED SYSTEMS FOR BUILDING DESIGN APPLICATIONS | FCAR | (INT) 20 |
| EL DIASTY, R. | QUANTITATIVE BASIS FOR IMPROVED DESIGN OF BUILDING ENVELOPES | NSERC | (EXT) 02 |
| FAZIO, P. | CENTRE DES ETUDES SUR LE BATIMENT | FCAR | (EXT) 02 |
| FAZIO, P. | ARTIFICIAL INTELLIGENCE | NSERC | (INT) 20 |
| FAZIO, P. | BEHAVIOR OF BUILDING SYSTEMS AND COMPONENTS WITH EMPHASIS ON ENERGY EFFICIENCY | NSERC | (EXT) 02 |
| FAZIO, P. | HVAC AND ENERGY CONSERVATION | FCAR | (INT) 20 |
| FAZIO, P. | PROJETS DE RECHERCHE ET DEVELOPPEMENT D'OUTILS D'ANALYSE ET DE CONCEPTION APPLIQUES AUX BATIMENTS ET A LEUR ENVIRONNEMENT (ACTIONS STRUCTURANTES) | MESS | (EXT) 02 |
| FAZIO, P. | BUILDING ENCLOSURES: SYSTEMS AND COMPONENTS - PLANNING DESIGN AND CONSTRUCTION (Co-investigators: Bedard, C., El-Diasty, R., Ha, K., Low, N., Marsh, C., Moselhi, O and Stathopoulos, T.) | FCAR | (EXT) 02 |
| FAZIO, P. | COLLABORATIVE AGREEMENT PROJECT #2 - ST. DENIS | GAZM | (EXT) 02 |
| FELDMAN, D. | LIGNIN APPLICATION IN CONSTRUCTION MATERIALS (STRATEGIC) | NSERC | (EXT) 02 |
| FELDMAN, D. | ORGANIC POLYMERS IN ENERGY CONSERVATION | NSERC | (INT) 20 |
| FELDMAN, D. | POLYMERS FOR ENERGY CONSERVATION AND SOLAR ENERGY APPLICATIONS | NSERC | (EXT) 02 |
| GUY, R. | MEASUREMENT AND PREDICTING OF SOUND TRANSMISSION IN FINITE SURROUNDS | NSERC | (EXT) 02 |
| GUY, R. | ACOUSTICS - SOUND POWER MEASUREMENTS | NSERC | (INT) 20 |
| HAGHIGHAT, F. | ADAPTIVE CONTROL STRATEGIES FOR BUILDINGS | NSERC | (EXT) 02 |

| | Project Title | Agency | Type |
|---|---|---|---|
| LOUCHEZ, P. | INFLUENCE OF THE HEAT DISTRIBUTION SYSTEM ON THE ENERGY CONSUMPTION AND COMFORT LEVEL OF A SINGLE SPACE | NSERC | (EXT) 02 |
| LOW, N. | STUDIES OF THE LONG TERM DURABILITY OF THERMAL INSULATING MATERIALS | NSERC | (EXT) 02 |
| MARSH, C. | COLLAPSE OF WELDED ALUMINUM SHEET WEBS | NSERC | (INT) 20 |
| MARSH, C. | 1) FRICTION CONTROLLED SEISMIC RESPONSES 2) ULTIMATE STRENGTH OF STRUCTURES | NSERC | (EXT) 02 |
| MOSELHI, C. | AUTOMATION IN CONSTRUCTION/PROJECT MANAGEMENT | NSERC | (EXT) 02 |
| SHAPIRO, M. | COMPACT RETROFIT BUILDING HEAT STORAGE AND PREDICTIVE H.V.A.C. CONTROL | NSERC | (EXT) 02 |
| STATHOPOULOS, T. | INSTRUMENTATION FOR FULL SCALE MEASUREMENT OF WIND PRESSURES ON BUILDINGS | NSERC | (EXT) 03 |
| STATHOPOULOS, T. | WIND EFFECTS OF BUILDINGS | FCAR | (INT) 20 |
| STATHOPOULOS, T. | WIND LOAD SPECIFICATIONS FOR BUILDINGS (STRATEGIC) | NSERC | (EXT) 02 |
| STATHOPOULOS, T. | WIND AIR DYNAMICS IN LOW RISE BUILDINGS | FCAR | (INT) 20 |
| STATHOPOULOS, T. | WIND EFFECTS ON BUILDINGS AND THEIR CODIFICATION | NSERC | (EXT) 02 |
| WANG, J. | STUDY OF AIR-TO-AIR HEAT RECOVERY FOR BUILDINGS, THERMAL CONTACT RESISTANCE IN FIN-TUBES FOR SPACE HEATING, AND CONDENSATION PROBLEMS IN BUILDINGS | NSERC | (EXT) 02 |
| ZAHEERUDDIN, M. | OPTIMIZED MICROPROCESSOR CONTROL STRATEGIES FOR BUILDINGS | CASA | (INT) 20 |
| ZMEUREANU, R. | DESIGN OF ENERGY-EFFICIENT BUILDINGS | CASA | (INT) 20 |

## Civil Engineering

| | | | |
|---|---|---|---|
| ASHTAKALA, B. | TRANSPORTATION OF HAZARDOUS MATERIALS | NSERC | (EXT) 02 |
| BUDKOWSKA, B. | CONSTITUTIVE EQUATIONS FOR THERMOVISCOELASTIC SOILS | NSERC | (EXT) 02 |
| CARBALLADA, L. | 1) CAVITATION FREE SPILLWAYS 2) MULTISITE OPTIMISATION ON HYDROPOWER | NSERC | (EXT) 02 |
| HANNA, A. | BEHAVIOUR OF SHALLOW ANCHORS SUBJECTED TO REPEATED LOADING | CASA | (INT) 20 |

| | Project Title | Agency | Type |
|---|---|---|---|
| HANNA, A. | PULLOUT CAPACITY OF SHALLOW AND DEEP ANCHORS IN SAND | NSERC | (EXT) 02 |
| LU, Y. | THE APPLICATIONS OF IMAGE ANALYSIS TO THE AUTOMATIC COLLECTION OF TRAFFIC DATA | NSERC | (EXT) 02 |
| PALL, A. | DEVELOPMENT OF SIMPLIFIED DESIGN METHODS FOR THE ASEISMIC DESIGN OF BUILDINGS WITH PASSIVE ENERGY DISSIPATION DEVICES | NSERC | (EXT) 02 |
| PEKAU, O. | MAINTENANCE OF SUN COMPUTER NETWORK | FCAR | (INT) 20 |
| PEKAU, O. | SEISMIC PERFORMANCE AND DESIGN OF BUILDING STRUCTURES | NSERC | (EXT) 02 |
| POOROOSHASB, H. | STRESS DEFORMATION OF NATURAL SOIL DEPOSITS | NSERC | (EXT) 20 |
| POOROOSHASB, H. | RESPONSE OF SEABEDS TO SURFACE WAVES | NSERC | (EXT) 02 |
| RAMAMURTHY, A. | 1) LATERNAL FLOWS IN OPEN CHANNELS-BRANCHING AND COMBINATION OF FLOWS 2) CAVITATING FLOW PAST TWO DIMENSIONAL BODIES AND TWO DIMENSIONAL SURFACE-DISCONTINUITIES | NSERC | (EXT) 02 |
| SARRAF, S. | MATHEMATICAL MODELING OF SURFACE WATER IN COLD REGIONS | NSERC | (EXT) 02 |
| SENEVIRATNE, P. | MICRO-COMPUTER SIMULATION OF BUS TRANSIT SYSTEM | CASA | (INT) 20 |
| SENEVIRATNE, P. | EVALUATION OF HIGHWAY PERFORMANCE | NSERC | (EXT) 02 |
| SYAMAL, P. | EARTHQUAKE SAFETY OF LOW-RISE CONCRETE DAMS | NSERC | (EXT) 02 |
| TROITSKY, M. | DESIGN AND STRENGTHENING OF STEEL BRIDGES BY PRESTRESSING METHODS | NSERC | (EXT) 02 |
| VERMA, N. | EFFECT OF GEOMETRY OF FOUNDATIONS AND ABUTMENTS ON PERFORMANCE OF EARTH AND ROCKFILL DAMS | NSERC | (EXT) 02 |
| ZIELINSKI, Z. | THIN WALL PANEL AND MODULE STRUCTURES | NSERC | (EXT) 02 |
| ZIELINSKI, Z. | DATA ACQUISITION SYSTEM FOR STRUCTURAL LABORATORIES | NSERC | (EXT) 02 |
| ZIELINSKI, Z. | SYNTHETIC REINFORCEMENT FOR CONCRETE CONSTRUCTION | CARIN | (EXT) 01 |
| ZIELINSKI, Z. | STRUCTURAL INTEGRITY OF SEGMENTAL PREFABRICATED SYSTEMS - PHASE III (Co-investigators: Pekau, O. and Troitsky, M.) | FCAR | (EXT) 02 |

| | Project Title | Agency | Type |
|---|---|---|---|
| **COMPUTER SCIENCE** | | | |
| ALAGAR, V. | COMPLEXITY OF SECURE COMPUTATIONS | NSERC | (EXT) 02 |
| ATWOOD, J. | COMPARISON OF A NEW TRANSPORT PROTOCOL WITH EXISTING TRANSPORT PROTOCOLS | CASA | (INT) 20 |
| BUI, T. | RESEARCH IN COMPUTER-AIDED DESIGN AND NUMERICAL METHODS | FCAR | (INT) 20 |
| BUI, T. | NUMERICAL METHODS FOR THE ANALYSIS, MODELING AND SIMULATION OF COMPLEX SYSTEMS (Co-investigators: Doedel, E. and Li, Z.) | FCAR | (EXT) 02 |
| BUI, T. | 1) NUMERICAL METHODS FOR DIFFERENTIAL EQUATIONS 2) OPTIMAL ALGORITHMS FOR SORT/MERGE | NSERC | (EXT) 02 |
| CHENG, H. | VLSI ARCHITECTURES FOR REAL-TIME PATTERN RECOGNITION AND IMAGE PROCESSING | NSERC | (EXT) 02 |
| DESAI, B. | INTERFACES INTELLIGENTES DANS LES BASES DE DONNEES | CWARC | (EXT) 01 |
| DOEDEL, E. | NUMERICAL METHODS AND SOFTWARE FOR PDE ON PARALLEL AND VECTOR MACHINES | NSERC | (EXT) 02 |
| FANCOTT, T. | LANGAGES EVOLUES DE MICROPROGRAMMATION ET LEUR APPLICATION AUX LOGICIELS POUR ORDINATEURS MULTIPLES | FCAR | (INT) 20 |
| FORD, D. | DEVELOPMENT OF ALGORITHMS IN ALGEBRA AND NUMBER THEORY | NSERC | (EXT) 02 |
| GOYAL, P. | OBJECT ORIENTED DATABASE SYSTEMS (Co-investigators: Desai, B. and Sadri, F.) | FCAR | (EXT) 02 |
| GOYAL, P. | INFORMATION STORAGE, ORGANIZATION AND RETRIEVAL | NSERC | (EXT) 02 |
| GROGONO, P. | IMPLEMENTATION AND APPLICATION OF APPLICATIVE PROGRAMMING LANGUAGES | NSERC | (EXT) 02 |
| JAYAKUMAR, R. | VLSI ALGORITHMS AND ARCHITECTURES | NSERC | (EXT) 02 |
| KASVAND, T. | LEARNING AND RECOGNITION IN 3D RANGE AND IDEOGRAM IMAGES | NSERC | (EXT) 02 |
| KRZYZAK, A. | PATTERN RECOGNITION AS WELL AS MODELING OF COMPLEX SYSTEMS VIA NONPARAMETRIC APPROACH | NSERC | (EXT) 02 |
| LAKSHMANAN, K. | DISTRIBUTED ALGORITHMS: MODELS, PERFORMANCE MEASURES AND DESIGN | NSERC | (EXT) 02 |

| | Project Title | Agency | Type |
|---|---|---|---|
| LAM, C. | COMBINATORIAL AND GRAPH THEORETICAL SEARCH ALGORITHMS (Co-investigators: Opatrny, J. and Regener, E.) | FCAR | (EXT) 02 |
| LAM, C. | RESEARCH IN MATHEMATICAL COMPUTING | FCAR | (INT) 20 |
| LAM, C. | A COMPUTER SEARCH FOR A PROJECTIVE PLANE OF ORDER 10 | NSERC | (EXT) 02 |
| LAM, C. | CONCORDIA UNIVERSITY MATHEMATICAL COMPUTING LABORATORY (INFRASTRUCTURE) (Co-investigators: McKay, J. and Ford, D.) | NSERC | (EXT) 20 |
| LI, H. | PARALLEL AND DISTRIBUTED PROCESSING ALGORITHMS AND SYSTEMS | NSERC | (EXT) 02 |
| LI, H. | CONCEPTION ET VALIDATION DES ALGORITHMES ET ARCHITECTURES VLSI (Co-investigators: Jayakumar, R. and Probst, D.) | FCAR | (EXT) 02 |
| LU, S.W. | COMPUTER VISION AND ROBOTICS: ATTRIBUTED HYPERGRAPH REPRESENTATION FOR 3-D OBJECT AND ENVIRONMENT | NSERC | (EXT) 02 |
| MCKAY, J. | CONCEPTION, REALISATION ET APPLICATIONS DE LOGICIEL ALGEBRIQUE (Co-investigators: Alagar,V. and Ford, D.) | FCAR | (EXT) 02 |
| MCKAY, J. | DEVELOPMENT OF COMPUTATION METHODS IN ABSTRACT ALGEBRA | NSERC | (EXT) 02 |
| MCKAY, J. | DEVELOPMENT OF COMPUTATIONAL TECHNIQUES IN ALGEBRA | NSERC | (INT) 20 |
| OKADA, M. | APPLICATION OF LOGIC TO PROGRAMMING LANGUAGE THEORY | CASA | (INT) 20 |
| OPATRNY, J. | CONSTRUCTION OF LARGE, FAULT-TOLERANT NETWORK MODELS | NSERC | (EXT) 02 |
| PROBST, D. | HIERARCHICAL DESIGN OF FAULT-TOLERANT VLSI ALGORITHMS AND SYSTEMS | NSERC | (EXT) 02 |
| RADHAKRISHNAN, T. | MAN MACHINE COMMUNICATION IN DISTRIBUTED PROCESSING | NSERC | (EXT) 02 |
| RADHAKRISHNAN, T. | SPEECH INTERFACE TO A FINANCIAL EXPERT SYSTEM | CWARC | (EXT) 01 |
| RADHAKRISHNAN, T. | DISTRIBUTED SIMULATION OF A NETWORK OF DISTRIBUTED SERVICE ENGINES | BNR | (EXT) 02 |

| | Project Title | Agency | Type |
|---|---|---|---|
| SADRI, F. | QUERY PROCESSING AND DATA DEPENDENCIES IN DEDUCTIVE DATABASES | NSERC | (EXT) 02 |
| SHINGHAL, R. | OPTICAL CHARACTER RECOGNITION AND TEXT PROCESSING | NSERC | (EXT) 02 |
| SUEN, C. | COMPUTER RECOGNITION OF HANDWRITTEN AND MACHINE-PRINTED CHARACTERS AND APPLICATIONS | NSERC | (EXT) 02 |
| SUEN, C. | OPTICAL CHARACTER RECOGNITION ALGORITHMS AND ARCHITECTURES (STRATEGIC) | NSERC | (EXT) 02 |
| SUEN, C. | CHINESE LANGUAGE COMPUTER SOCIETY | ANONC | (EXT) 20 |
| SUEN, C. | LA RECONNAISSANCE AUTOMATIQUE DE CARACTERES ET DES TEXTES, HOMME-ORDINATEUR COMMUNICATIONS ET SES APPLICATIONS (Co-investigators: Krzyzak, A., Radhakrishnan, T. and Shinghal, R.) | FCAR | (EXT) 02 |
| SUEN, C. | MICROVAX WORKSTATIONS AND ACCESSORIES | NSERC | (EXT) 03 |
| SUEN, C. | RESEARCH ON CHARACTER RECOGNITION (2) | ANONC | (EXT) 02 |
| SUEN, C. | AUTOMATIC RECOGNITION OF CHARACTERS AND TEXTS, MAN-COMPUTER COMMUNICATIONS AND THEIR APPLICATIONS | NSERC | (INT) 20 |

## Electrical and Computer Engineering

| | | | |
|---|---|---|---|
| AHMAD, M. | MULTIDIMENSIONAL SIGNAL PROCESSING AND ITS IMPLEMENTATION USING MULTIMICROPROCESSOR ARCHITECTURE | NSERC | (EXT) 02 |
| AL-KHALILI, A. | 1) DIGITAL SIGNAL PROCESSING FOR FLAW IDENTIFICATION IN OFFSHORE OIL STRUCTURES 2) EFFECTS OF GaAs TECHNOLOGY ON COMPUTER ARCHITECTURE | NSERC | (EXT) 02 |
| ARABI, S. | INNOVATIVE SERIES TAPPING OF HIGH VOLTAGE DIRECT CURRENT TRANSMISSION | NSERC | (EXT) 02 |
| BHATTACHARYYA, B. | 1) SC NETWORKS 2) ACTIVE-RC NETWORKS 3)NON-LINEAR NETWORKS 4) ADAPTIVE FILTERS | NSERC | (EXT) 02 |
| BHATTACHARYYA, B. | VLSI CIRCUIT DESIGN | NSERC | (INT) 20 |
| COMEAU, M. | DISTRIBUTED PROTOCOL DESIGN FOR NETWORK OPTIMIZATION PROBLEMS | NSERC | (EXT) 02 |

| | Project Title | Agency | Type |
|---|---|---|---|
| DIMOPOULOS, N. | MULTIPROCESSOR ARCHITECTURE WITH APPLICATIONS TO DIGITAL SIGNAL PROCESSING (Co-investigator: M. Ahmad) | FCAR | (EXT) 02 |
| DIMOPOULOS, N. | DISTRIBUTED PROCESSING AND EXPERT SYSTEMS | NSERC | (EXT) 02 |
| ELHAKEEM, A. | OPTICAL BACKBONE NETWORK FOR SPREAD SPECTRUM MOBILE RADIO AND VIDEOTELECONFERENCING | NSERC | (EXT) 02 |
| FARUQUE, S. | 1) LAYOUT AUTOMATION IN SWITCHED-CAPACITOR FILTERS 2) SWITCHED-CAPACITOR RF FILTERS FOR COMMUNICATION SYSTEMS | NSERC | (EXT) 02 |
| GRACOVETSKY, S. | COMPUTER DIAGNOSIS OF LUMBAR SPINE DISABILITIES | NSERC | (EXT) 02 |
| HAYES, J. | STUDIES IN LOCAL AREA NETWORKS AND RELATED AREAS | NSERC | (EXT) 02 |
| HAYES, J. | FIRST HOP PROTOCOLS AND GATEWAYS FOR A LOCAL BACKBONE OPTICAL NETWORK (Co-investigators: Elhakeem, A. and Sarikaya, B.) | FCAR | (EXT) 02 |
| HAYES, J. | STUDIES IN TELECOMMUNICATIONS | BNR | (EXT) 02 |
| HAYES, J. | OPTICAL FIBER LOCAL BACKBONE NETWORK (COOPERATIVE R&D GRANT WITH MEMOTEC DATA INC.) | NSERC | (EXT) 02 |
| KROLIK, J. | BROADBAND SONAR ARRAY PROCESSING | CASA | (INT) 20 |
| KROLIK, J. | COOPERATIVE RESEARCH IN SONAR SIGNAL PROCESSING | PCUQA | (EXT) 20 |
| KROLIK, J. | STATISTICAL ANALYSIS OF THE STEERED COVARIANCE MATRIX AND ITS APPLICATIONS IN HIGH RESOLUTION WIDEBAND BEAMFORMING | CDND | (EXT) 01 |
| KUBINA, S. | INTEGRATED SYSTEM FOR SHIPS' ANTENNA MODELLING | CDND | (EXT) 01 |
| KUBINA, S. | RE-RADIATION OF MF SIGNALS BY POWER LINES | CDOC | (EXT) 01 |
| KUBINA, S. | STUDY ON ELECTROMAGNETIC COMPATIBILITY ANALYSIS TECHNIQUES FOR AIRCRAFT ANTENNAS - PHASE II | CDND | (EXT) 01 |
| KUBINA, S. | MODELLING OF HF-ANTENNAS ON THE C-130 AIRCRAFT | UNIS | (EXT) 01 |
| KUBINA, S. | EMC LABORATORY (INFRASTRUCTURE) (Co-investigator: Trueman, C.) | NSERC | (EXT) 20 |
| KUBINA, S. | RADIATING SYSTEMS ON COMPLEX STRUCTURES AND ELECTROMAGNETIC COMPATIBILITY | NSERC | (EXT) 02 |
| KUBINA, S. | AIRCRAFT EMC PREDICTION TECHNIQUES - AAPG CODE, PHASE II | CDND | (EXT) 01 |

| | Project Title | Agency | Type |
|---|---|---|---|
| LE-NGOC, T. | EFFICIENT DIGITAL COMMUNICATIONS SYSTEMS | NSERC | (EXT) 02 |
| LE-NGOC, T. | CIRCUITS NET SYSTEMES DE COMMUNICATIONS HERTZIENNES ET TRAITEMENT DES SIGNAUX (Co-investigators: Bhargava, V. - Victoria, Bhattacharyya, B., Faruque, S., Krolik, J., Morgera, S. - McGill, Plotkin, E., Ramachandran, V and Swamy, M.N.S.) | FCAR | (EXT) 02 |
| LE-NGOC, T. | STUDY OF EFFICIENT FEC CODEC STRUCTURES FOR MOBILE COMMUNICATION CHANNELS (2) | BICOM | (EXT) 02 |
| LE-NGOC, T. | ISDN SERVICES AND SUPPORT ON POINT-TO-MULTIPOINT RADIO SYSTEMS (3) | SRTEL | (EXT) 02 |
| LINDSAY, J. | IMPROVED POWER CONTROL TECHNIQUES FOR SC DRIVES | FCAR | (INT) 20 |
| LINDSAY, J. | MEDIUM AND LOW POWER ELECTRIC GENERATOR SPECIALLY SUITABLE FOR HYDRO APPLICATION | CEMR | (EXT) 01 |
| LINDSAY, J. | IMPROVED VARIABLE SPEED DRIVE SYSTEMS BASED ON INDUCTION, PERMANENT MAGNET, AND SWITCHED RELUCTANCE MOTORS | NSERC | (EXT) 02 |
| LOMBOS, B. | PREPARATION AND CHARACTERIZATION OF GaAs FOR HIGH SPEED IC'S AND OPTOELECTRONIC COMMUNICATIONS | NSERC | (INT) 20 |
| LOMBOS, B. | MISE AU POINT ET ETUDE DE NOUVEAUX MATERIAUX POUR LA TELECOMMUNICATION OPTIQUE = LASER-INFRAROUGE, DETECTION ET EMISSION INFRAROUGE | MRIAI | (EXT) 20 |
| LOMBOS, B. | GaAs AND RELATED COMPOUNDS | NSERC | (EXT) 02 |
| MANIAS, S. | DEVELOPMENT OF AC TO DC SWITCH MODE RECTIFIERS WITH UNITY INPUT POWER FACTOR AND HIGH POWER DENSITY (WATTS/IN3) | NSERC | (EXT) 02 |
| MEHMET ALI, M. | STUDIES IN LOCAL AREAS AND RELATED AREAS | NSERC | (EXT) 02 |
| PATEL, R. | NUMERICAL AND COMPUTATIONAL ISSUES IN ROBOTICS AND CONTROL | NSERC | (EXT) 02 |
| PLOTKIN, E. | STUDIES IN STRUCTURAL SIGNAL PROCESSING | NSERC | (EXT) 02 |
| RAMACHANDRAN, V. | A STUDY OF MULTIVARIABLE NETWORKS WITH APPLICATIONS TO TWO-DIMENSIONAL DIGITAL FILTERING | NSERC | (EXT) 02 |
| RASHID, M. | AMELIORATIONS D'EFFICACITE ET DES CONTROLS ADAPTES A BASE MICROPROCESSEUR DES SYSTEMES A COMMANDE DE VITESSE VARIABLE (Co-investigators: Lindsay, J. and Zlogas, P.) | FCAR | (EXT) 02 |

| | Project Title | Agency | Type |
|---|---|---|---|
| RASHID, M. | MICROPROCESSOR - BASED EFFICIENT GTO - INVERTERS/ CONVERTERS FOR MOTOR DRIVES AND POWER FACTOR IMPROVEMENT | NSERC | (EXT) 02 |
| REZA, F. | OPERATOR THEORETIC FOUNDATIONS OF CIRCUITS AND SYSTEMS - OPTIMIZATION | NSERC | (EXT) 02 |
| SARIKAYA, B. | SPECIFICATION, IMPLEMENTATION, PERFORMANCE AND VALIDATION OF PROTOCOLS | NSERC | (EXT) 02 |
| SARIKAYA, B. | PROTOCOL TESTING | NSERC | (INT) 20 |
| SARIKAYA, B. | TEST TOOL IMPROVEMENTS AND FTAM TESTING | PELD | (EXT) 01 |
| SCHWELB, O. | WAVE PROPAGATION IN INTEGRATED SURFACE WAVE DEVICES | NSERC | (EXT) 02 |
| SCHWELB, O. | SYSTEM FOR OPTICAL EXPERIMENTATION AND ANALYSIS | NSERC | (EXT) 03 |
| SOOD, V. | FORCE-COMMUTATED HVDC INVERTERS | NSERC | (EXT) 02 |
| SWAMY, M.N.S. | STUDIES ON ELECTRICAL NETWORKS AND SIGNAL PROCESSING | NSERC | (EXT) 02 |
| THULASIRAMAN, K. | SYSTOLIC AUTOMATA AND ALGORITHMS | NSERC | (INT) 20 |
| THULASIRAMAN, K. | VLSI ALGORITHMS FOR NETWORK OPTIMIZATION, DISTRIBUTED FAULT DIAGNOSIS, MINIMUM-COST NETWORK DESIGN, OPTIMAL AND FAULT-TOLERANT BROADCASTING | NSERC | (EXT) 02 |
| THULASIRAMAN, K. | DISTRIBUTED PROTOCOL DESIGN AND VLSI BASED SYSTEM ARCHITECTURE FOR NETWORK OPTIMIZATION PROBLEMS (ACTIONS SPONTANEES) | FCAR | (EXT) 02 |
| TRUEMAN, C. | INTERACTION OF ANTENNAS AND TELECOMMUNICATIONS WITH STEEL TOWER POWER LINES | NSERC | (EXT) 02 |
| ZIOGAS, P. | AN INVESTIGATION OF INPUT POWER FACTOR IMPROVEMENT TECHNIQUES FOR SINGLE-PHASE FED SMR POWER SUPPLIES | NORTEL | (EXT) 01 |
| ZIOGAS, P. | DEVELOPMENT OF A NEW GENERATION UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEM (COOPERATIVE R&D GRANT WITH INVERPOWER CONTROL LTD) | NSERC | (EXT) 02 |

| | Project Title | Agency | Type |
|---|---|---|---|
| ZIOGAS, P. | ADVANCED STATIC POWER CONVERTERS FOR AUTOMATED INDUSTRIAL PROCESSES | NSERC | (EXT) 02 |

## Mechanical Engineering

| | | | |
|---|---|---|---|
| AHMED, A.K.W. | VEHICLE SYSTEM STABILITY AND HANDLING | NSERC | (EXT) 02 |
| BHAT, R. | 1) STRUCTURAL DYNAMICS & OPTIMIZATION WITH PROBABILISTIC DESIGN METHODS UNDER ACOUSTIC & MECHANICAL EXCITATIONS 2) PROBLEMS IN ROTOR DYNAMICS | NSERC | (EXT) 02 |
| BLACH, A. | STRESS ANALYSIS AND METHODS OF DESIGN FOR PRESSURE VESSEL COMPONENTS | NSERC | (EXT) 02 |
| CHENG, R. | APPLIED RESEARCH IN FLUID CONTROL & AUTOMATION | NSERC | (EXT) 02 |
| CHENG, R. | RESEARCH AND DEVELOPMENT OF AN AMBIDEXTROUS AUTOMATIC GUIDED VEHICLE USING CAMERA VISION FOR PATH GUIDANCE AND CONTROL (STRATEGIC) (Co-investigator: Sankar, T.S.) | NSERC | (EXT) 02 |
| CHENG, R. | COMPONENTS AND EQUIPMENT FOR AN AMBIDEXTROUS AUTOMATIC GUIDED VEHICLE USING CAMERA VISION FOR PATH GUIDANCE AND CONTROL | NSERC | (EXT) 02 |
| CHENG, R. | UPGRADING AN AMINA 1000 COMPUTER TO A LOW COST STAND-ALONE WORKSTATION FOR SCIENTIFIC SIMULATION WITH INTERACTIVE GRAPHICS | NSERC | (INT) 20 |
| CHENG, R. | MICROPROCESSOR CONTROL OF MECHANICAL SYSTEMS (Co-investigators: Hemani, A., Krepec, T., Kwok, C., Svoboda, J. and Vatistas, G.) | FCAR | (EXT) 02 |
| CHENG, R. | GUIDED VEHICULAR SYSTEM | NSERC | (EXT) 20 |
| CHENG, R. | GUIDED VEHICULAR SYSTEM | FCAR | (INT) 20 |
| FABRIKANT, V. | SOLID MECHANICS, WITH APPLICATION TO CONTACT PROBLEMS AND CAD | NSERC | (EXT) 02 |
| GOUW, G. | BIOMEDICAL ENGINEERING OF MECHANICAL SYSTEMS: HALO SYSTEMS FOR REHABILITATION | NSERC | (EXT) 02 |
| HABASHI, W. | 3-D COMPUTATIONAL AERODYNAMICS WORKSTATION | NSERC | (EXT) 03 |
| HABASHI, W. | FINITE ELEMENT NAVIER-STOKES APPLICATIONS PACKAGE (FENSAP) (STRATEGIC) | NSERC | (EXT) 02 |

| | Project Title | Agency | Type |
|---|---|---|---|
| HABASHI, W. | 2-D AND 3-D FINITE ELEMENT VISCOUS TRANSONIC FLOW ANALYSIS | NSERC | (EXT) 02 |
| HASHISH, E. | DYNAMICS OF LIGHT INDUSTRIAL ROTOR-BEARING SYSTEMS AND APPLICATIONS | NSERC | (EXT) 02 |
| HEMAMI, A. | DESIGN AND DEVELOPMENT OF A GENERAL PURPOSE MECHANICAL ARM WITH EMPHASIS ON APPLICATION FOR TELEOPERATORS AND THE HANDICAPPED | NSERC | (EXT) 02 |
| HOA, S. | COMPUTER AIDED DESIGN FOR COMPOSITES | NRC | (EXT) 01 |
| HOA, S. | COMPOSITE WORK (4) | ANOCC | (EXT) 02 |
| HOA, S. | OPTIMUM INTERFACES IN COMPOSITES | NSERC | (INT) 20 |
| HOA, S. | INTERLAMINAR STRESSES IN A TAPERED LAMINATE | NRC | (EXT) 01 |
| HOA, S. | MECANIQUE DE MATERIAUX COMPOSITES POLYMERIQUES ET DES STRUCTURES FAITES AVEC LES MATERIAUX COMPOSITES POLYMERIQUES (Co-investigators: Blach, A., McQueen, H. and Sankar, T.S.) | FCAR | (EXT) 02 |
| HOA, S. | VIBRATION AND STRESS ANALYSIS OF ELASTIC AND VISCOELASTIC SYSTEMS UNDER VARIOUS LEADS AND ENVIRONMENTS | NSERC | (EXT) 02 |
| HOA, S. | DEVELOPMENT OF NON-DESTRUCTIVE TESTING METHODS FOR PROVING AND RETESTING LOW PRESSURE FIBER REINFORCED PLASTIC HIGHWAY TANKERS | TPROV | (EXT) 01 |
| HOA, S. | DEVELOPMENT OF NON-DESTRUCTIVE TESTING METHODS FOR PROVING AND RETESTING LOW PRESSURE FIBER REINFORCED PLASTIC HIGHWAY TANKERS (ACTIONS CONCERTEES) | FCAR | (EXT) 02 |
| JHA, V. | ANALYSIS AND TESTING OF LARGE SPACE STRUCTURES, TECHNIQUES OF CORRELATING TEST RESULTS AND AUTOMATED UPDATING OF MODELS | NSERC | (EXT) 02 |
| KRAKOW, K. | HEAT PUMP ENERGY CONVERSION SYSTEMS | NSERC | (EXT) 02 |
| KRAKOW, K. | A NUMERICAL (COMPUTER) MODEL OF AN INDUSTRIAL DEHUMIDIFYING HEAT PUMP | CEMR | (EXT) 01 |
| KRAKOW, K. | DEFROSTING AND FROSTING OF HEAT PUMPS IN COLD CLIMATES (STRATEGIC) | NSERC | (EXT) 02 |
| KREPEC, T. | RESEARCH IN INJECTION AND COMBUSTION OF ALTERNATIVE FUELS IN COMBUSTION ENGINES | NSERC | (EXT) 02 |

| | Project Title | Agency | Type |
|---|---|---|---|
| KREPEC, T. | FEASIBILITY INVESTIGATION ON DIRECT GASEOUS FUELS INJECTION IN COMPRESSION IGNITION ENGINE USING ELECTRONIC CONTROL | IOC | (EXT) 02 |
| KREPEC, T. | LOW COST ELECTRONIC FUEL CONTROL FOR SMALL GAS TURBINES OF REMOTELY PILOTED VEHICLES (COOPERATIVE R&D WITH BENDIX AVELEX) | NSERC | (EXT) 02 |
| KWOK, C. | RESEARCH AND APPLICATION OF VORTEX FLOW PHENOMENON IN FLUID CONTROL TECHNOLOGY | NSERC | (EXT) 02 |
| LATINOVIC, V. | OPTIMAL MULTI-EDGE BTA TOOLS | NSERC | (EXT) 02 |
| LEQUOC, S. | APPLIED RESEARCH IN ROBOTICS AND AUTOMATION | NSERC | (EXT) 02 |
| LIN, S. | TRANSPORT PHENOMENA AND THEIR APPLICATIONS | NSERC | (EXT) 02 |
| MCQUEEN, H. | HOT FORMING OF METALS AND ASSOCIATED MICROSTRUCTURAL AND PROPERTY CHANGES | NSERC | (EXT) 20 |
| MCQUEEN, H. | INVESTIGATION BY TEM AND SEM OF THE DEVELOPMENT OF MICROSTRUCTURE DURING THERMO MECHANICAL PROCESSING OF AL-LI TERNARY ALLOYS AND OF AL-FE AND AL-FE-CO ALLOYS | NSERC | (EXT) 20 |
| MCQUEEN, H. | MODELISATION DE LA VARIATION EN TEMPERATURE ET EN CONTRAINTES DE SEPARATION DANS LES LAMINOIRS PLANETAIRES ET CONTINUES | PCUQA | (EXT) 20 |
| MCQUEEN, H. | METALLURGICAL FILMS AND RESEARCH (8) | ANOPC | (EXT) 02 |
| MCQUEEN, H. | HOT WORKING CHARACTERISTICS OF SINGLE PHASE AND PRECIPITATE BEARING ALLOYS | NSERC | (EXT) 02 |
| NEEMEH, R. | STABILITY OF CONVERGING SHOCK WAVES-COMPRESSOR AND TURBINE CASCADES RESEARCH AERODYNAMIC RESONATORS | NSERC | (EXT) 02 |
| OSMAN, M. | DYNAMICS OF MECHANICAL SYSTEMS IN MANUFACTURING | NSERC | (EXT) 02 |
| OSMAN, M. | RECHERCHE SUR LES SYSTEMES MECANIQUES (Co-investigators: Bhat, R., Fabrikant, V., Latinovic, V., Sankar, S., Sankar, T.S. and Xistris, G.) | FCAR | (EXT) 02 |
| RAKHEJA, S. | COMPUTER AIDED DESIGN AND ANALYSIS OF MECHANICAL SYSTEMS WITH SPECIAL REFERENCE TO GROUND VEHICLES | NSERC | (EXT) 02 |
| SABER, A. | STUDY OF TRANSIENT GAS JETS, PHASE III (2) | CDND | (EXT) 01 |
| SABER, A. | STARTING SUBMERGED GAS JETS | NSERC | (EXT) 02 |

| | Project Title | Agency | Type |
|---|---|---|---|
| SANKAR, S. | 1) COMPUTER-AIDED OPTIMAL DESIGN OF MECHANICAL SYSTEMS. 2) VIBRATION OF CONTINUOUS MECHANICAL SYSTEMS: OPTIMIZATION AND CONTROL | NSERC | (EXT) 02 |
| SANKAR, S. | THE DEVELOPMENT OF A RIDE DYNAMICS MODEL FOR M113 TRACK MILITARY VEHICLES | CDND | (EXT) 01 |
| SANKAR, S. | RECHERCHE EN CONCEPTION DE SYSTEME VEHICULE ASSISTEE PAR ORDINATEUR POUR L'INDUSTRIE DU TRANSPORT DU QUEBEC (ACTIONS STRUCTURANTES) | MESS | (EXT) 01 |
| SANKAR, S. | COMPUTER-AIDED DESIGN OF SNOWMOBILE SUSPENSION AND FRAME (COOPERATIVE R&D GRANT WITH BOMBARDIER) | NSERC | (EXT) 02 |
| SANKAR, S. | INFLUENCE DE LA GEOMETRIE DE LA CITERNE ET LE POIDS DU VEHICULE SUR LES LIMITES DE RENVERSEMENT DE COMBINAISON DE VEHICULE-CITERNE | FCAR | (EXT) 02 |
| SANKAR, S. | DESIGN OF AN EFFECTIVE SEAT SUSPENSION TO ISOLATE TERRAIN INDUCED LATERAL AND VERTICAL VIBRATIONS OF LOGGING/FORESTRY VEHICLES | IRSST | (EXT) 02 |
| SANKAR, S. | CONCAVE (SOUTIEN AU RENFORCEMENT DES LIAISONS UNIVERSITES-INDUSTRIES ET DE LA RECHERCHE DITE DE TRANSFERT) | MESS | (EXT) 02 |
| SANKAR, S. | CONCAVE PROJECT ON TESTING | VIA | (EXT) 02 |
| SANKAR, S. | LOW COST NEW GENERATION VEHICLE | BOMC | (EXT) 01 |
| SANKAR, T.S. | DIGITAL SIGNAL PROCESSING FOR VIBRATION ANALYSIS | NSERC | (EXT) 03 |
| SANKAR, T.S. | ROTOR DYNAMICS | NSERC | (INT) 20 |
| SANKAR, T.S. | BIOMECHANICS | NSERC | (INT) 20 |
| SANKAR, T.S. | DYNAMIC RESPONSE AND RELIABILITY OF MECHANICAL SYSTEMS UNDER DETERMINISTIC AND STOCHASTIC FORCES | NSERC | (EXT) 02 |
| SVOBODA, J. | DEVELOPMENT OF INTERACTIVE CONTROL SYSTEM FOR FESTO DIDACTIC | FESTO | (EXT) 01 |
| SVOBODA, J. | DEVELOPMENT OF MICROPROCESSOR CONTROLLED "SMART VALVE" SYSTEM | RITE | (EXT) 01 |
| SVOBODA, J. | INVESTIGATION OF NON-RETURN VALVES FOR FLUID HANDLING (2) | RITE | (EXT) 02 |
| SVOBODA, J. | RESEARCH IN CONTROL SYSTEMS TECHNOLOGY AND APPLICATIONS | NSERC | (EXT) 02 |

| | Project Title | Agency | Type |
|---|---|---|---|
| SVOBODA, J. | DEVELOPMENT OF PASSENGER CAR SIMULATOR SUITABLE FOR ASSESSMENT AND TRAINING OF DISABLED DRIVERS | CAE | (EXT) 01 |
| VATISTAS, G. | EXPERIMENTAL INVESTIGATIONS ON THE PERFORMANCE OF TRANSDUCER IN ICING CONDITIONS | BENDA | (EXT) 01 |
| VATISTAS, G. | CONFINED VORTEX FLOW PHENOMENA WITH APPLICATIONS | NSERC | (EXT) 02 |
| VATISTAS, G. | HEMODYNAMICS OF ATHEROSCLEROSIS IN THE AORTA-RENAL SEGMENT | MGU | (EXT) 02 |
| VATISTAS, G. | INVESTIGATION OF SECONDARY FLOW IN GAS TURBINE BLADES | PRATT | (EXT) 02 |
| XISTRIS, G. | RELIABILITY OF MECHANICAL SYSTEMS AND COMPONENTS THROUGH FATIGUE DAMAGE ESTIMATES | NSERC | (EXT) 02 |
| XISTRIS, G. | DEVELOPMENT OF SIGNAL PROCESSING ALGORITHMS (4) | ANOCC | (EXT) 02 |

## FACULTY OF FINE ARTS

| | Project Title | Agency | Type |
|---|---|---|---|
| **DEAN OF FINE ARTS** | | | |
| PARKER, R. | SOUTIEN AUX ARTISTES PROFESSIONNELS | QMAC | (EXT) 02 |
| **ART EDUCATION AND ART THERAPY** | | | |
| MULLEN, C. | COMMUNITY-BASED ART EDUCATION (3) | ANOPC | (EXT) 02 |
| SACCA, E. | CANADIAN ARTISTS' VIEWS REGARDING GENDER IDENTITY | ANOPC | (EXT) 02 |
| **ART GALLERY** | | | |
| PAIKOWSKY, S. | MEDRIE MACPHEE: THE URBAN LANDSCAPE EXHIBITION | CC | (EXT) 02 |
| **ART HISTORY** | | | |
| BELISLE, J. | THE JOURNAL OF CANADIAN ART HISTORY | SSHRC | (EXT) 02 |
| LACROIX, L. | THE JOURNAL OF CANADIAN ART HISTORY (REVUES SCIENTIFIQUES) | FCAR | (EXT) 20 |
| SANDERSON, W. | THE FRESCOES OF ST. MAXIMIN AT TRIER AND LATE CAROLINGIAN ART IN LOTHARINGIA | SSHRC | (EXT) 02 |
| **CINEMA** | | | |
| LEVITIN, J. | FILM - EVA; GUERILLERA (7) | ANOCC | (EXT) 02 |
| LEVITIN, J. | FILM - EVA; GUERILLERA | SSHRC | (INT) 20 |
| PARIS, J. | SCREEN WRITING RESEARCH | ANOPC | (EXT) 02 |
| WAUGH, T. | INDIAN DOCUMENTARY FILMMAKERS | SSHRC | (EXT) 02 |
| WAUGH, T. | KALOS CULTURAL STUDY CENTRE | SSHRC | (INT) 20 |
| **CONTEMPORARY DANCE** | | | |
| PANET-RAYMOND, S. | NETWORKING AND RESOURCES IN CONTEMPORARY DANCE | SSHRC | (INT) 20 |
| **MUSIC** | | | |
| BOTTENBERG, W. | ORIGINAL OPERA SCORE "INOOK" | SSHRC | (INT) 20 |
| DENIS, J. | ARCHIVE OF CANADIAN ELECTROACOUSTIC MUSIC | CASA | (INT) 20 |

| | Project Title | Agency | Type |
|---|---|---|---|
| **Painting and Drawing** | | | |
| MILLER, J. | VARIATIONS ON A THEME | CASA | (INT) 20 |
| **Printmaking and Photography** | | | |
| TWEEDIE, K. | EVERGON FILM | SSHRC | (INT) 20 |
| WAINWRIGHT, B. | GARDENS AND PLAYING CARDS. RESEARCH, DOCUMENTATION AND EXHIBITION OF A SERIES OF WORK | CASA | (INT) 20 |
| **Sculpture, Ceramics and Fibres** | | | |
| DUTKEWYCH, A. | RESOURCE AND DOCUMENTATION CENTRE FOR CONTEMPORARY CANADIAN SCULPTURE | SSHRC | (INT) 20 |
| LIPKE, K. | CAUSE CANADA - GUATEMALA PROJECT | CASA | (INT) 20 |
| **Theatre** | | | |
| GROSS, G. | REUBEN SHIP AND THE INVESTIGATOR, RESEARCH ON ITS POLITICAL AND SOCIAL CONTEXT IN THE 1950'S | CASA | (INT) 20 |
| MACKAY, B. | DRAMA THERAPY WITH ADOLESCENTS | ANOFC | (EXT) 02 |
| MONGERSON, E. | RESEARCH OF LOW VOLTAGE LAMPS FOR THEATRICAL PRODUCTION | SSHRC | (INT) 20 |